

C-107
DUPLICATE
ARMY MEDICAL LIBRARY



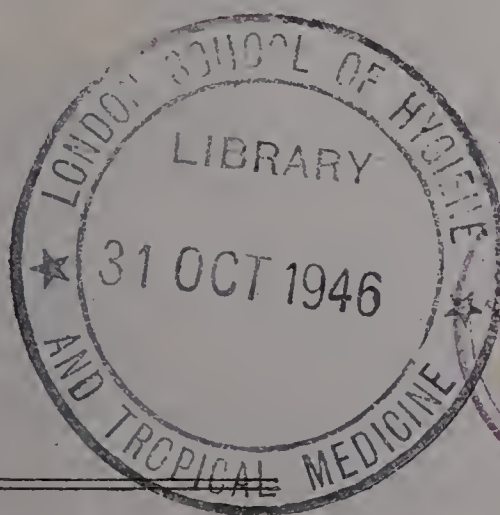
STATISTICAL SECTION

Acknowledged

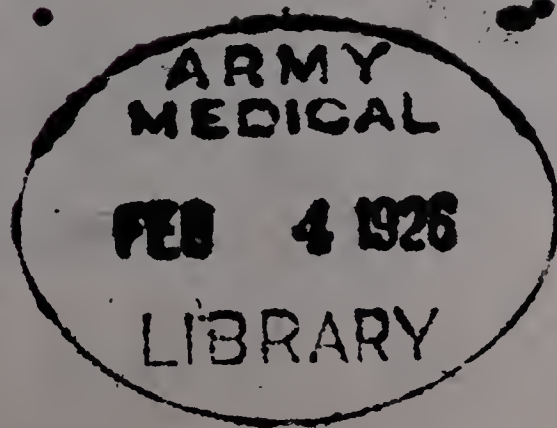
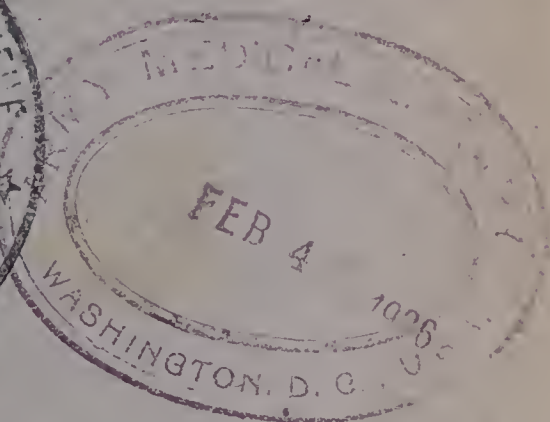
A(229)

Notes and Statistics ON Vaccination in Burma

FOR THE YEAR 1924-25



STATISTICAL SECTION



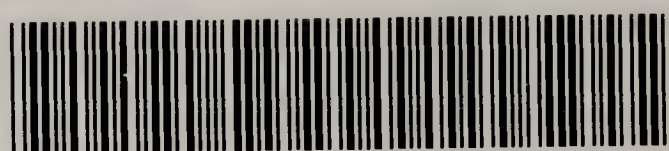
Rangoon : Supdt., Govt. Printing and Stationery, Burma

1925

Price, Re. 1=1s. 6d.]

LIBRARY
+
Ann Rep
QW28
.JM9
B96
1924-25

2016 37



22501899871



Notes and Statistics

ON

Vaccination in Burma

FOR THE YEAR 1924-25

Rangoon : Supdt., Govt. Printing and Stationery, Burma

1925

LIST OF AGENTS FOR THE SALE OF
GOVERNMENT PUBLICATIONS.

IN BURMA.

AMERICAN BAPTIST MISSION PRESS, Rangoon.
BISWAS & CO., 30, Lewis Street, Rangoon.
INTERNATIONAL BUDDHIST BOOK DEPOT, Post Box No. 971, Rangoon.
MODERN PUBLISHING HOUSE, LTD., Rangoon.
RANGOON TIMES PRESS, Rangoon.
THE BURMA BOOK CLUB, LTD., Post Box No. 1068, Rangoon.
MAUNG LU GALE, Law Book Depôt, 42, Ayo-o-gale, Mandalay.
BURMA PUBLISHING Co., 71, Upper Main Road, Moulmein.

IN INDIA.

BUTTERWORTH & CO. (India), LTD., Calcutta.
W. NEWMAN & Co., Calcutta.
THACKER, SPINK & Co., Calcutta and Simla.
D. B. TARAPOREVALA, SONS & CO., Bombay.
THACKER & Co., LTD., Bombay.
HIGGINBOTHAM & Co., Madras.

IN EUROPE.

The publications are obtainable either direct from the Office of the
HIGH COMMISSIONER FOR INDIA, 42, Grosvenor Gardens, London,
S.W. 1, or through any bookseller.

Resolution

ON THE

Notes and Statistics on Vaccination in Burma

For the Year 1924-25.

Extract from the Proceedings of the Government of Burma in the Department of Public Health, No. 322S25, dated the 24th July 1925.

READ—

The Notes and Statistics on Vaccination in Burma for the year 1924-25.

RESOLVED that—

The report be published.

By order of the Government of Burma (Ministry of Education,
Local Government and Public Health).

J. CLAGUE,

*Secretary to the Govt. of Burma,
Dept. of Edn., Local Govt. and Public Health.*

[The maximum limit of the body of the Report is six pages].

TABLE OF CONTENTS.

NOTES AND STATISTICS ON VACCINATION IN BURMA, FOR THE YEAR 1924-25.

	PARA.	PAGE
Vaccination staff employed	1	1
Vaccination work performed during the year	2	<i>ib.</i>
Primary Vaccinations	3	2
Re-vaccination	4	3
Results of Vaccination	5	4
Vaccination in Towns	6	<i>ib.</i>
Infant Vaccination	7	5
Dispensary Vaccination	8	6
Vaccination in Jails	9	<i>ib.</i>
Vaccination by Private Practitioners	10	<i>ib.</i>
Steamer Vaccination	11	<i>ib.</i>
Verification Work performed by Inspecting Officers	12	7
Vaccine Dépôt, Meiktila	13	8
Training Class	14	9
Cost of Vaccination Department	15	<i>ib.</i>
General Remarks	16	<i>ib.</i>

Notes and Statistics

ON

Vaccination in Burma

FOR THE YEAR 1924-25.

1. *Vaccination Staff employed.*—The following table gives the strength of the Vaccination Staff actually employed during the year 1924-25 and the two preceding years :—

Year.	District Superintendents.	Sub-Assistant Surgeons.	Inspectors of Vaccination.	Head Vaccinators.	Vaccinators.
1922-23 ...	41	31	43	1	336
1923-24 ...	41	36	44	1	339
1924-25 ...	41	27	43	1	342

The number of Sub-Assistant Surgeons receiving vaccination allowance or otherwise employed in the Vaccination Department, was nine less than last year. The cadre of Inspectors of Vaccination has been decreased by one owing to the death of the Prome Inspector whose vacancy has not so far been filled. Two vacant Inspectorships in Amherst and Myingyan Districts and one head vaccinatorship in the Southern Shan States have not yet been filled up for want of qualified candidates. The number of vaccinators' appointments was augmented by three in the Southern Shan States—one in Nattalin Town,—one in Bassein District,—one in Hanthawaddy District,—and one in Kyauksè District, while there was a decrease of three Vaccinators' appointments in Rangoon and one in Thatôn District,—resulting in a net increase of three appointments. Four vaccinators, two from Amherst District and one each from Bassein and Sagaing Districts—were either removed or dismissed from the service for different offences.

2. *Vaccination work performed.*—The total number of operations reported during the year 1924-25 as performed by the permanent and special staffs of the Department and other agencies—excluding vaccinations in dispensaries and jails—was 806,619 of which 531,035 were primary operations and 275,584 revaccinations. Out of the 42 districts from which reports have been received 24 districts show a total increase

Statement I.

of 112,450 as compared with last year's figure, while the remaining 18 districts return a decrease of 58,278. Thus there has been a net increase of 54,172 operations. The increase is wholly derived from revaccination, there having been a considerable fall in primary cases. The increase in revaccination, in many instances, has resulted from the prevalence of small-pox in many parts of the Province. In comparison, with last year, Rangoon shows the largest increase in revaccination (33,380), followed by Sagaing (12,676); whereas the largest falling off in primary vaccination has been in Thaton (—5,936), followed by Myingyan (—4,840), Magwe (—4,825) and Sagaing (—4,407).

Including 10,148 operations, performed in dispensaries, the total operations for the Province come to 816,767, of which 2,193 (primary 537 and revaccination 1,656) were returned by "other agencies" leaving 814,574 operations as the output of 342 vaccinators (or 2,382 per head) employed during the year.

Statement I. 3. *Primary Vaccination*.—Successful primary operations performed in rural areas amounted to 451,058 and urban areas 48,366; the total for both being 499,424, showing a decrease of 15,153 in comparison with the previous year's figure. The districts showing a considerable increase in the number of successful cases performed as compared with last year were the Northern Shan States (+4,314), Bassein (+3,989), Myaungmya (+3,865), Hanthawaddy (+3,009), Rangoon (+2,210) and Akyab (+1,596), whereas the places from which decrease was reported were Thatôn (—5,904), Magwe (—4,773), Myingyan (—4,481), Sagaing (—4,461), Southern Shan States (—3,193), Pakôkku (—3,014), Pyapôn (—2,976), Kyauksè (—2,377) and Meiktila (—1,943).

Lower Burma.—In Lower Burma, Rangoon Division shows the largest excess (5,975 successful primary operations) over last year's figure. Arakan Division shows an excess of 2,903 and Irrawaddy Division 3,059, whereas Pegu and Tenasserim Divisions show a deficit of 407 and 5,841 successful operations respectively in comparison with last year's figures.

In Arakan Division every district has shown an increase, the largest being Akyab (+1,596). In Rangoon Division too the increase is shared by all the districts, Hanthawaddy leading with 3,009 cases over the previous year's figure. In Irrawaddy Division, the increase is shared by Bassein (3,989) and Myaungmya (3,865) Districts only, whereas there was a fall in Henzada, Ma-ubin and Pyapôn Districts. In Pegu and Tenasserim Divisions, the decrease is shared by Tharrawaddy (—332), Toungoo (—533), Thayetmyo (—751), Thatôn (—5,904), Tavoy (—808) and Mergui (—420) Districts only.

Upper Burma.—In Upper Burma, the North-East Frontier Division alone shows an excess of 540 successful primary operations over the previous year's figure. This excess is shared by Myitkyina District (+178) and the Northern Shan States (+4,314). Both North-West

Border and Mandalay Divisions show a considerable falling off in successful primary vaccination, as compared with the previous year's figure. In the former Division, the deficit, which amounts to 9,135, is shared by all districts except Pakôkku Hill Tracts and Chin Hills, the principal defaulters being Pakôkku (−3,014) and Sagaing (−4,461) Districts. In the latter Division, the deficit, which amounts to 12,247 is shared by all districts, except Minbu, the principal defaulters being Kyauksè (−2,377), Meiktila (−1,943), Myingyan (−4,481) and Magwe (−4,773).

4. *Revaccination*.—Altogether 12 districts in Lower Burma and 13 districts in Upper Burma show an increased output in revaccination and 10 districts in Lower Burma and 7 districts in Upper Burma return a decrease, the sum total of the increase being 105,474 and of the decrease 37,996—making a net increase for the Province of 67,478. Statement I.

In Arakan Division, Akyab and the Hill District of Arakan show a decline whereas Kyaukpyu and Sandoway Districts show an increase, the net decrease for the Division being 159 cases only. Rangoon Division is mainly responsible for the increase, all districts having returned larger figures than in the previous year and making a total increase of 38,000 for the Division, of which Rangoon alone contributes 33,380. All the districts in the Pegu Division, except Pegu, show a falling-off as compared with last year's figures. Thayetmyo (−2,246) returns the largest deficit, followed by Tharrawaddy (−915) and Prome (−831). Pegu District alone shows an increase of 1,830, the result being a net deficit of 2,325. Bassein and Pyapôn Districts in Irrawaddy Division are responsible for an increase of 2,679 and 1,449 cases respectively, whereas Ma-ubin and Henzada Districts return a falling-off of 1,904 and 738 cases respectively; the result being a net increase of 1,539 cases for the Division.

In Tenasserim Division, Amherst District shows a large increase of 6,767 cases and Thatôn District 3,427 cases. Both Tavoy and Mergui show a slight decline. The net increase of the Division amounts to 9,123. In North-West Border Division, Pakôkku District shows a big drop (−4,619 cases), whereas the principal increases are returned by Katha (+2,232), Shwebo (+3,835), Sagaing (+12,676) and Upper Chindwin (+3,632); the net increase of the Division being 17,639. In Mandalay Division, Mandalay (+7,168), Kyauksè (+5,828), Meiktila (+2,154) and Yamèthin (+7,040) Districts show a total increase of 22,190 cases, but the other three districts, Myingyan (−5,192), Magwe (−7,959) and Minbu (−8,676) return a total decrease of 21,827 cases, the gain for the Division thus being only 363. In the North-East Frontier Division, all districts, except Southern Shan States, show an increase resulting in a net increase of 3,298 cases.

It may be noted that vaccination is voluntary in most rural areas as the Vaccination Acts have not been extended thereto. During the year

under report, the Acts have been extended to the rural areas under the control of the District Councils of Toungoo, Thatôn, Amherst, Tavoy, Henzada, Ma-ubin, Bassein, Pyapôn, Myaungmya, Magwe, Minbu, Pegu, Kyauksè, Insein, Hanthawaddy and Akyab and it is hoped that other districts will follow suit, so that the Acts may soon be extended to all parts of the Province. The people are gradually appreciating the benefit of vaccination to which on the whole they seem less antagonistic than they were previously. The opposition which, through ignorance and prejudice, is sometimes shown in some quarters is sure to vanish at no distant date. The few people, who, like the Mahomedan settlers of Maungdaw Township of Akyab District, are hopelessly indifferent and always turn a deaf ear to advice and persuasion, must be compelled to submit to vaccination by the application of the Vaccination Acts.

Statement I. 5. *Results of Vaccination.*—The total number of successful primary operations shows a decline of 15,153 on the previous year's return, the figures for 1922-23, 1923-24 and 1924-25 being 488,208, 514,577 and 499,424 respectively. In 20,309 cases the results were unknown and there were 11,302 failures in comparison with 8,495 failures with 21,269 unknown results in the previous year. Percentage successes in primary vaccination and revaccination were 97·79 and 47·74 respectively, against 98·38 and 46·76 in the previous year. In Lower Burma, Insein District heads the list with a success rate of 99·94 in primary cases closely followed by Pyapôn District 99·90 per cent., Tharrawaddy District with 99·83 per cent., Henzada District with 99·69 per cent., Toungoo District with 99·67 per cent., Rangoon Town District with 99·52 per cent., Ma-ubin District with 99·47 per cent., Pegu District with 99·44 per cent. and Myaungmya District with 99·30 per cent., while the lowest rate is reported from Mergui 81·46 per cent.

In Upper Burma, Meiktila District heads the list with a success rate of 99·19 per cent. and close upon this come Myitkyina with 98·95 per cent., Mandalay with 98·88 per cent., Lower Chindwin with 98·65 per cent., Magwe with 98·24 per cent., Kyauksè with 98·19 per cent. and Sagaing with 98·16 per cent. The lowest rate is returned by Pakôkku District with 94·35 per cent., the rate for 1922-23 and 1923-24 being 94·04 and 96·54 respectively.

6. *Vaccination in Towns.*—There are 62 towns, where the Vaccination Acts are in force and from these 154,754 operations have been reported, of which 49,964 are primary cases and 104,790 are revaccinations. There has been an increase of 7,570 and 51,279 in primary and revaccination cases respectively over the previous year's figures. In the towns of Kyaukpyu, Rangoon, Tharrawaddy, Nyaunglebin, Paungdè, Shwegyin, Pyu, Bassein, Ngathaingyaung, Myaungmya, Thatôn, Moulmein, Pakôkku, Shwebo, Sagaing, Mandalay, Yamèthin, Pyinmana and Yenangyaung, primary vaccination has advanced over the last year's figures, Myaungmya leading

the way. Primary vaccination, has markedly slackened in Salin, while Akyab, Thônga, Letpadan, Minhla, Allanmyo, Myanaung, Wakèma, Kyaiklat, Kyauksè, Magwè and Taungdwingyi show a decrease from the previous year's figures.

Revaccination in Towns.—In revaccination, Rangoon Town shows great improvement, the figures for 1923-24 and 1924-25 being 23,567 and 56,947 respectively, while the towns of Kyaukpyu, Sandoway, Insein, Syriam, Pegu, Nyaunglebin, Shwedaung, Paungdè, Shwegyin, Bassein, Henzada, Thatôn, Moulmein, Pakôkku, Shwebo, Sagaing, Mandalay, Maymyo, Kyauksè, Meiktila and Pyinmana show an excellent improvement over last year's figures. Revaccination shows a marked decline in Akyab, Prome, Thayetmyo, Allanmyo, Myanaung, Wakèma, Ma-ubin, Pyapôn, Mergui, Nyaung-U, Magwe, Taungdwingyi, Yenangyaung, Minbu and Salin. Pyawbwè is the only town where no revaccination has been done. Both primary and revaccination show a falling-off in the towns of Akyab, Thônga, Thônze, Letpadan, Toungoo, Thayetmyo, Allanmyo, Myanaung, Kyangin, Wakèma, Ma-ubin, Kyaiklat, Tavoy, Magwe, Taungdwingyi, Minbu and Salin.

Results of Vaccination in Towns.—The percentage successes of primary and revaccinations are 98·87 and 52·89—those of the previous year being 98·92 and 53·23. In primary vaccination, 24 towns show the maximum result 100 per cent. successes, while Minbu shows the lowest percentage (72·34). In revaccination three towns show the maximum result of 100 per cent. success, the lowest percentage 6·36 is returned by Ma-ubin. Large number of unknown cases under both heads have been reported from Rangoon (19,701), Thatôn (2,535) and Pyinmana (1,191). It is noteworthy in this connection that the Civil Surgeon, Minbu, complains that the vaccinator is doing very bad work but that in spite of frequent letters to the President, the latter has taken no notice and appears to do nothing to ameliorate matters. In many towns although the Civil Surgeon is the only officer at the disposal of the Committees competent to manage the work of the municipal vaccinators, they decline to delegate the necessary powers to him with the result that although he is nominally Superintendent of Vaccination, he has no control of the staff. Vaccination work suffers accordingly.

7. *Infant Vaccination.*—In 62 towns of the Province 32,721 births were registered, of which 9,360 infants under one year of age died during the year, leaving 23,361 survivors available for vaccination. Successful operations are reported to have been performed on 28,870 infants. This apparent excess is probably due to defective birth registration, deaths of vaccinated children and immigration from rural areas into towns. From reports received from Civil Surgeons, it is evident that in many towns a large number of infants under one year of age escape vaccination. The usual explanation put forth is that vaccination in some instances was postponed owing to ill-health of the infants and in others the parents of

the infants temporarily migrate to the rural areas. There may be some truth in these explanations, but the real cause seems to be that the Vaccination Acts are not rigorously enforced in many towns. The Local Government in their Medical Department letter No. 403—1Z.-8, dated the 11th February 1919, advised all Presidents of Municipalities and Town Committees, regarding the procedure to be adopted annually to ascertain the state of vaccination of the child population in towns. From enquiries recently made by this office, it is evident that some of the Presidents are not even aware of this order,—while the majority of those who are cognisant thereof, have not taken any steps to carry out the procedure suggested therein. This fact alone is sufficient to show that infant vaccination is neglected in most of the towns, and little interest seems to be taken in the health of the future generation.

Statement III. 3. *Dispensary Vaccination*.—The total number of primary and secondary operations was 10,148 against 6,338 of the previous year, the increase being contributed by both primary (1,582) and revaccination (2,228). Hill District of Arakan, Kyaukpyu, Bassein, Pyapôn, Amherst, Katha, Chin Hills, Kyauksè, Meiktila, Myitkyina, Northern Shan States and Southern Shan States show an increase in primary vaccination, while in revaccination the increase is returned from Hill District of Arakan, Kyaukpyu, Tharrawaddy, Bassein, Myaungmya, Pyapôn, Amherst, Katha, Upper Chindwin, Mandalay, Meiktila, Myitkyina, Bhamo and Northern Shan States. The decrease in primary vaccination is reported from Hanthawaddy, Tharrawaddy, Henzada, Myaungmya, Ma-ubin, Mergui, Pakôkku, Shwebo, Upper Chindwin, Mandalay and Bhamo, while Hanthawaddy, Henzada, Ma-ubin, Mergui, Pakôkku, Shwebo, Chin Hills, Kyauksè, Magwe and Southern Shan States show a decrease in revaccination. Out of 42 districts, 20 have not reported any dispensary vaccination.

9. *Vaccination in Jails*.—In an average population of 21,004 in 26 jails,—28,518 persons were vaccinated,—1,381 being primary and 27,137 being revaccinations. In primary vaccination 87·25 per cent. were successful and in revaccination 49·55 per cent.

10. *Vaccination by Private Practitioners*.—Private Practitioners performed 2,193 operations of which 537 were primary cases with 98·87 per cent. of success and 1,656 revaccinations with 54·80 per cent. of success. In comparison with the previous year, there was a total decrease of 2,806 cases, or over 56 per cent.

11. *Vaccination on Steamers*.—Under the provisions of section 9 of Burma Vaccination Law Amendment Act, 1909, 30,202 labourers arriving at the port of Rangoon were vaccinated by the Corporation Vaccination Staff under the supervision of the Port Health Authorities, but owing to the circumstances attending these vaccinations, results could not be verified. In comparison with the previous year's figure, there was an increase of 3,047 operations.

12. *Verification work performed by Inspecting Officers.*—Out of the total number of 536,267 persons primarily vaccinated, Civil Surgeons verified 43,678 cases or 8·14 per cent. as against 51,594 cases or 9·41 per cent. in the previous year. The Inspectors of Vaccination and other Inspecting Officers verified 285,962 cases or 53·32 per cent. against 286,169 or 52·22 per cent. in the previous year. Out of 279,513 persons revaccinated, Civil Surgeons verified 14,998 persons or 5·37 per cent. against 13,688 or 6·52 per cent. and Inspectors of Vaccination and other Inspecting Officers verified 145,781 or 52·16 per cent. against 90,702 or 43·23 per cent. last year. It will thus be seen that verification of primary cases decreased while that of revaccination cases increased over the last year's figures.

A minimum of 10 per cent. is considered as an adequate proportion for a Civil Surgeon's verification work. This year's work falls short of this minimum and is also less than that of the previous year. The Civil Surgeons of Toungoo, Thayetmyo and Myaungmya did no verification work this year. The Civil Surgeon, Toungoo, reports that, being much too busy at headquarters, he was unable to find time for touring in the district and hence could do no verification work. A large percentage of verification of primary cases was done by the Civil Surgeons of the Chin Hills (79·13), Sandoway (59·74), Myitkyina (52·34), Upper Chindwin (39·25), Kyauksè (37·17), Katha (26·94) and Meiktila (23·51), while very little has been performed by the Civil Surgeons at Insein (·41), Akyab (·64), Bassein (·94), Minbu (1·24), Tharrawaddy (1·58), Hanthawaddy (1·82), Thatôn (2·18) and by the Health Officer, Rangoon (2·95). Excellent verification of primary cases was done by the Inspectors of Vaccination and other Inspecting Officers in Upper Chindwin (90·31), Rangoon (90·03), Kyauksè (89·26), Pegu (85·98), Ma-ubin (84·63), Tavoy (83·10), Pyapôn (83·19), Meiktila (75·43), Myingyan (74·60), Mandalay (70·16), Tharrawaddy (67·52), Hanthawaddy (67·19), Southern Shan States (63·97), Yamèthin (61·91) and Sagaing (61·44). The Northern Shan States (·25), Minbu (·53) and Hill District of Arakan (15·28) return a very low proportion of verifications in primary vaccination, as there is at present, no Inspector of Vaccination in any of these districts.

In verification of revaccination cases, the Civil Surgeon, Chin Hills, heads the list, with 91·06 per cent. followed by the Civil Surgeons of the Northern Shan States (75·84), Putao (60·51), Myitkyina (52·78) and Sandoway (45·39). Very little verification has been done by Civil Surgeons, Thatôn (·22), Insein (·86), Bassein (·94), Southern Shan States (1·19), Rangoon (1·20), Akyab (1·16), Mandalay (1·78) and Pyapôn (1·95). The Civil Surgeons of Prome, Henzada and Mergui did not verify any revaccination cases.

In 11 districts the Inspectors of Vaccination and other Inspecting Officers verified more than 50 per cent. of the total number of persons revaccinated. Meiktila heads the list with (98·59), followed by Rangoon (86·88), Akyab (85·61), Bhamo (80·05), Ma-ubin (71·91), Thayetmyo

(71'00), Kyauksè (67'31), Yamèthin (61'28), Myingyan (61'14), Tharrawaddy (53'74) and Pegu (51'21). Very poor results have been reported from Minbu (37), Henzada (8'44), and Northern Shan States (1'75), but the Civil Surgeon, Minbu, appears to have many difficulties to contend with.

13. *Vaccine Dépôt, Meiktila*.—344 calves were successfully vaccinated during the year, 4 either failed to take or yielded lymph of such poor quality that the lymph had to be destroyed. A comparative statement showing the output and issue of lymph during the year and two previous years is given below :—

Year.		Number of calves scraped.	Total yield.		Average yield per calf.		Doses issued.
			Oz.	Grams.	Grs.	Grams.	
1922-23	...	321	328'23	9,300	491'3	28'97	956,018
1923-24	...	334	325'66	9,277	468'5	27'63	982,104
1924-25	...	344	377'12	10,743	529'6	31'23	1,072,701

There was an unusually large demand for lymph during the year as practically the whole of Burma was infected with small-pox.

During the months of January, February and March 1925, extra doses to the number of 130,899 were indented from India. No such demand has ever been made since the Dépôt was inaugurated. The large demand could not have been met had it not been for the more rapid and newly adopted Phenol method of preparing lymph and had it not been for the zeal shown by the Assistant Director, U Thaw Zan and the rest of the Vaccine Dépôt's staff, who worked overtime and on holidays, in order to meet the increased demands.

Throughout the year the greatest difficulty was experienced in obtaining calves for the Dépôt. The supply was always uncertain, and there were times when it failed entirely,—and had it not been for the help of U Thein, Township Officer, Wundwin, who repeatedly accompanied the Assistant Director, Vaccine Dépôt, on his visits to villages and persuaded the people to part with their calves, the Dépôt would most probably have run short of lymph. The Director, Vaccine Dépôt, has reported this year also that he had experienced great difficulty in selling the vaccinated calves as there is a popular belief among Burmans that vaccinated calves are useless for breeding purposes. Thanks however to the courtesy of the Burma Railways, revised regulations in respect of cattle transport have been issued, and it is hoped that this, coupled with grazing facilities which are being extended to the Vaccine Dépôt, by the Chief Conservator of Forests—may result in the discovery of other means both for obtaining and disposing of Vaccine Dépôt calves.

A certain amount of lymph is still being wasted, though to a lesser extent than during the previous year. The Director reports that only ten officers wasted lymph exceeding 20 per cent. of the amount issued. Civil Surgeons recover the cost for culpable wastage from the subordinates responsible, the cost being recredited to Government.

The net expenditure of the Dépôt amounted to Rs. 15,672-5-9 or a decrease of Rs. 2,264-2-7 and Rs. 9,033-15-5 in comparison with the figures for 1923-24 and 1922-23 respectively. The decrease is chiefly in the direction of establishment, travelling allowance, and supplies and services. The cost of feeding calves has slightly increased, while the receipts on account of the sale of lymph and vaccinated calves have increased by Rs. 1,072-2-4 over the last year's figures. A sum of Rs. 1,217 is still due, so the total increase in receipts amounts to Rs. 2,289-2-4 under this head.

14. *Training Class.*—Thirty-four apprentice vaccinators as against 44 in 1923-24 and 78 in 1922-23 were trained, and passed out. Four Public Health Inspectors underwent a month's course in vaccination during the year, and 23 students of the Public Health Inspectors' training class began their course of vaccination instruction on the 23rd March 1925.

15. *Cost of Vaccination Department.*—The total amount spent on the Statement II. Department was Rs. 3,57,956-4-0 against Rs. 3,43,262-0-10 for 1923-24 and Rs. 3,24,782-7-11 for 1922-23. The increase of Rs. 14,694-3-2 over the last year's figure is in accordance with the increased pay due to the staff on the time-scale and needs no comment. The average cost of each successful case of vaccination was Re. 0-9-6 against Re. 0-9-3 of 1923-24 and Re. 0-9-2 of 1922-23.

As last year, high rates for each successful case were reported from Pakôkku Hill Tracts (Rs. 1-10-10), Mergui (Rs. 1-6-9), Hill District of Arakan (Rs. 1-3-7), Tavoy (Rs. 1-2-9) and Myitkyina (Rs. 1-0-8), the rates of these districts for previous year being Rs. 1-10-8, Rs. 1-5-10, Rs. 1-5-0, Re. 0-13-5 and Rs. 1-4-2 respectively. Thirteen other districts also exceeded the Provincial average rate. Low rates were reported from Sagaing (Re. 0-4-2), Minbu (Re. 0-4-7), Mandalay (Re. 0-5-11) and 20 other districts. No expenditure has been incurred in Putao District, as vaccination was performed by the Sub-Assistant Surgeon and no vaccinator was maintained.

16. *General Remarks.*—Major J. W. Jones, D.S.O., I.M.S., was Director in charge of the Vaccine Dépôt, Meiktila, throughout the year. Sub-Assistant Surgeon U Kyaw Din was Assistant Director from the beginning of the year to the 7th July 1924, when he was succeeded by Sub-Assistant Surgeon U Thaw Zan, who remained as Assistant Director at the end of the year. Both officers worked well, U Thaw Zan during the nine months he was there, performed his duties carefully, methodically, and with great zeal. Apart from his work in connection with the preparation of lymph, he has shown the greatest keenness in giving practical demonstrations to the students and in the conduct of the class. The clerical and other staff remained the same, and have worked well throughout the year.

E. BISSET, *Lieut.-Col., I.M.S.,*

RANGOON, 18th June 1925.

Director of Public Health, Burma.

APPENDICES.

	PAGE
STATEMENT No. I.—Showing particulars of vaccination in the Province of Burma during the year 1924-25 	12
STATEMENT No. II.—Showing the cost of Vaccination Department in the Province of Burma during the year 1924-25 ...	26
STATEMENT No. III.—Showing Dispensary Vaccination in the Province of Burma for the year 1924-25 	34
STATEMENT No. IV.—Showing the numbers of persons primarily vaccinated and the numbers of those persons who were successfully vaccinated in the Province of Burma in each of the official years 1915-16 to 1924-25 ...	38
STATEMENT No. V.—Showing particulars of vaccination verified by Inspecting Officers during the year 1924-25 ...	40
—	
APPENDIX A.—Showing the ratio per 10,000 successfully vaccinated and the mortality from Small-pox by quinquennial periods	42
APPENDIX B.—Statistics relating to the number of children under one year of age in towns available for vaccination and the number of successful operations performed on them 	43
APPENDIX C —Diagram showing the proportion of population protected during the seven official years 1918-19 to 1924-25 and the death-rate from Small-pox during the calendar year 1924 in districts where registration of vital statistics is in force	45

A.—VACCINATION

STATEMENT NO. I—*Showing the particulars of Vaccination in the*

No.	Divisions and Districts.	Population of districts according to Census of 1921.	Average population per square mile.	Average number of vaccinators employed throughout the year.	Total number of persons vaccinated.		
(1)	(2)	(3)	(4)	(5)	(6)		
					Males.	Females.	Total.
	ARAKAN DIVISION.						
1	Akyab District ...	576,430	112	11	14,729	12,077	26,806
	Rural ...	539,861	...	9	13,301	11,672	24,973
	Urban ...	36,569	...	2	1,428	405	1,833
2	Hill District of Arakan ...	20,914	14	2	1,046	600	1,646
3	Kyaukp̄yū District ...	199,873	46	6	6,280	5,323	11,603
	Rural ...	195,989	...	6	5,920	4,932	10,852
	Urban ...	3,884	...	...	360	391	751
4	Sandoway District ...	112,029	30	4	4,891	4,101	8,992
	Rural ...	108,267	...	3	4,424	3,722	8,146
	Urban ...	3,762	...	1	467	379	846
	RANGOON DIVISION.						
5	Rangoon District ...	345,505	4,487	13	55,088	13,820	68,908
6	Insein District ...	289,540	152	6	10,214	8,531	18,745
	Rural ...	275,232	...	5	9,030	7,866	16,896
	Urban ...	14,308	...	1	1,184	665	1,849
7	Hanthawaddy District ...	364,624	195	9	13,786	11,622	25,408
	Rural ...	341,278	...	7	10,280	10,981	21,261
	Urban ...	23,346	...	2	3,506	641	4,147
	PEGU DIVISION.						
8	Tharrawaddy District ...	492,429	172	9	12,875	13,873	26,748
	Rural ...	449,010	...	8	12,025	12,986	25,011
	Urban ...	43,419	...	1	850	887	1,737
9	Pegu District ...	445,620	109	8	11,963	11,840	23,803
	Rural ...	419,355	...	6	9,934	10,140	20,074
	Urban ...	26,265	...	2	2,029	1,700	3,729
10	Prome District ...	371,575	127	12	8,207	8,138	16,345
	Rural ...	322,246	...	8	6,627	6,884	13,511
	Urban ...	49,329	...	4	1,580	1,254	2,834
11	Toungoo District ...	381,883	62	13	8,852	8,367	17,219
	Rural ...	380,117	...	10	7,732	7,323	15,055
	Urban ...	31,766	...	3	1,120	1,044	2,164
12	Thayetmyo District ...	255,406	54	8	6,771	6,814	13,585
	Rural ...	233,419	...	6	5,707	6,374	12,081
	Urban ...	21,987	...	2	1,064	440	1,504
	IRRAWADDY DIVISION.						
13	Bassein District ...	489,473	119	15	14,909	14,227	29,136
	Rural ...	434,904	...	11	11,930	12,460	24,390
	Urban ...	54,569	...	4	2,979	1,767	4,746
14	Henzada District ...	550,920	192	14	14,933	15,305	30,238
	Rural ...	512,502	...	12	14,143	14,596	28,739
	Urban ...	38,418	...	2	790	709	1,499

* Secondary

† Work done by

DEPARTMENT.

Province of Burma during the year 1924-25 (Paragraphs 2, 3, 4 and 5).

Average number of persons vaccinated by each vaccinator. (7)	Primary Vaccination.					No. (25)
	Total. (8)	Successful.			Unknown. (12)	
		Under one year. (9)	One and under six years. (10)	Total of all ages. (11)		
2,437	21,949	2,960	13,450	21,529	205	1
2,775	21,230	2,575	13,203	20,810	205	
917	719	385	247	719	...	2
823	1,096	10	193	1,069	3	
1,934	9,360	1,102	4,028	8,252	608	
1,809	9,054	1,022	3,888	7,948	608	3
...	306	80	140	304	...	
2,248	6,401	589	2,556	5,583	500	4
2,715	6,214	547	2,481	5,399	500	
846	187	42	75	184	...	
5,147	†11,961	8,074	2,716	11,423	483	5
3,124	13,848	3,329	7,126	13,657	183	6
3,379	13,023	2,986	6,646	12,832	183	
1,849	825	343	480	825	...	7
2,823	18,090	4,490	10,119	17,537	402	
3,037	17,336	4,158	9,765	16,804	387	
2,074	754	332	354	733	15	
2,972	18,481	7,061	9,337	17,974	476	8
3,126	17,116	6,078	9,059	16,661	440	
1,737	1,365	983	278	1,313	36	9
2,957	†17,156	5,095	8,931	16,056	1,010	
3,346	14,991	4,116	8,120	13,990	931	
1,790	†2,165	979	811	2,066	79	10
1,362	*14,705	4,778	8,121	13,869	469	
1,689	*12,971	3,560	7,700	12,210	398	
709	1,734	1,218	421	1,659	71	11
1,325	11,945	2,391	5,573	11,745	161	
1,506	10,757	1,835	5,108	10,566	159	
721	1,188	556	465	1,179	2	12
1,698	9,216	1,949	4,860	8,467	358	
2,014	8,443	1,416	4,644	7,708	356	
752	773	533	216	759	2	
1,942	21,062	3,938	9,844	19,531	857	13
2,217	18,511	3,149	9,086	17,076	765	
1,187	2,551	789	758	2,455	92	14
2,160	29,105	9,572	15,739	27,847	1,172	
2,395	27,874	8,955	15,417	26,833	955	
750	1,231	617	322	1,014	217	

operations included.
other agencies included.

A.—VACCINATION

STATEMENT NO. I—*Showing the particulars of Vaccination in the*

No.	Divisions and Districts.	Re-vaccination.			Percentage of successful cases in which the results were known.		Persons successfully vaccinated per 1,000 of population.
		Total.	Successful.	Unknown.	Primary.	Re-vaccination.	
(1)	(2)	(13)	(14)	(15)	(16)	(17)	(18)
	ARAKAN DIVISION.						
1	Akyab District ...	4,857	2,637	208	99·01	56·72	41·92
	Rural ...	3,743	2,064	43	98·98	55·78	42·37
	Urban ...	1,114	573	165	100·00	60·38	35·33
2	Hill District of Arakan ...	550	400	...	97·80	72·73	70·24
3	Kyaukpyu District ...	2,243	893	494	94·29	51·06	45·75
	Rural ...	1,798	711	399	94·10	50·82	44·18
	Urban ...	445	182	95	99·35	52·00	125·13
4	Sandoway District ...	2,591	441	160	94·61	18·14	53·77
	Rural ...	1,932	359	145	94·49	20·09	53·18
	Urban ...	659	82	15	98·40	12·73	70·71
	RANGOON DIVISION.						
5	Rangoon District ...	†56,947	20,885	19,218	99·52	55·36	93·51
6	Insein District ...	4,897	737	603	99·94	17·16	49·71
	Rural ...	3,873	640	603	99·94	19·57	48·95
	Urban ...	1,024	97	...	100·00	9·47	64·44
7	Hanthawaddy District ...	7,318	2,916	1,341	99·15	48·79	56·09
	Rural ...	3,925	1,432	727	99·14	44·78	53·43
	Urban ...	3,393	1,484	614	99·19	53·40	94·96
	PEGU DIVISION.						
8	Tharrawaddy District ...	8,267	3,978	2,254	99·83	66·16	44·58
	Rural ...	7,895	3,792	2,161	99·91	66·13	45·55
	Urban ...	372	186	93	98·80	66·67	34·52
9	Pegu District ...	6,647	1,529	1,942	99·44	32·50	39·46
	Rural ...	5,083	846	1,642	99·50	24·59	35·38
	Urban ...	1,564	683	300	99·04	54·03	104·66
10	Prome District ...	1,675	478	532	97·42	41·82	38·61
	Rural ...	575	201	97	97·11	42·05	38·51
	Urban ...	1,100	277	435	99·76	41·65	39·25
11	Toungoo District ...	5,274	1,296	538	99·67	27·36	34·15
	Rural ...	4,298	1,060	488	99·70	27·82	30·59
	Urban ...	976	236	50	99·41	25·49	44·54
12	Thayetmyo District ...	4,369	2,023	340	95·59	50·21	41·07
	Rural ...	3,638	1,516	295	95·31	45·35	39·52
	Urban ...	731	507	45	98·44	73·91	57·58
	IRRAWADDY DIVISION.						
13	Bassein District ...	8,074	4,269	1,597	96·66	65·91	48·62
	Rural ...	5,879	2,513	1,412	96·22	56·26	45·04
	Urban ...	2,195	1,756	185	99·84	87·36	77·17
14	Henzada District ...	1,133	162	424	99·69	22·85	50·84
	Rural ...	865	125	228	99·68	19·62	52·60
	Urban ...	268	37	196	100·00	51·39	27·36

† Work done by

DEPARTMENT.

Province of Burma during the year 1924-25—contd.

Percentage of unknown cases to total cases.		Average annual number of persons successfully vaccinated during previous five years.		Average annual number of deaths from small-pox during previous five years.		No.
Primary.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.	
(19)	(20)	(21)	(22)	(23)	(24)	(25)
·93	4·28	24,122	43·24	154	·28	1
·97	1·15	...	...	...	...
...	14·81	...	...	...	...
·02	...	912	42·55	...	...	2
6·50	22·02	11,764	60·67	29	·15	3
6·72	22·19	...	...	...	...
...	21·35	...	...	...	...
7·81	6·18	4,781	44·13	20	·18	4
8·05	7·51	...	...	...	...
...	2·28	...	...	...	...
4·04	33·75	15,342	47·57	246	·76	5
1·32	12·31	12,111	42·95	25	·09	6
1·41	15·57	...	...	...	...
...	
2·22	18·32	13,838	39·34	28	·08	7
2·23	18·52	...	...	...	...
1·99	18·10	...	...	...	...
2·58	27·27	21,456	45·77	54	·12	8
2·57	27·37	...	...	...	...
2·64	25·00	...	...	...	...
5·89	29·22	15,598	37·12	66	·16	9
6·21	32·30	...	...	...	...
3·65	19·18	...	...	...	...
3·19	31·76	12,526	33·45	39	·10	10
3·07	16·87	...	...	...	...
4·09	39·55	...	...	...	...
1·35	10·20	15,862	42·92	108	·31	11
1·48	11·35	...	...	...	...
·17	5·12	...	...	...	...
3·88	7·78	12,028	47·62	110	·43	12
4·22	8·11	...	...	...	...
·26	6·16	...	...	...	...
4·07	19·78	22,197	47·22	173	·37	13
4·13	24·02	...	...	...	...
3·61	8·43	...	...	...	...
4·03	37·42	26,617	48·97	54	·10	14
3·43	26·36	...	...	...	...
17·63	73·13	...	...	...	...

other agencies included.

A.—VACCINATION

STATEMENT NO. I—Showing the particulars of Vaccination in the

No.	Divisions and Districts.	Population of districts according to Census of 1921.	Average population per square mile.	Average number of vaccinators employed throughout the year.	Total number of persons vaccinated.		
					(6)		
(1)	(2)	(3)	(4)	(5)			
	IRRAWADDY DIVISION—concl'd.				Males.	Females.	Total.
15	Myaungmya District ...	370,551	140	15	15,498	16,725	32,223
	Rural ...	349,709	...	12	13,783	14,980	28,763
	Urban ...	20,842	...	3	1,715	1,745	3,460
16	Ma-ubin District...	330,106	201	10	14,491	14,166	28,657
	Rural ...	309,090	...	8	13,088	13,470	26,558
	Urban ...	21,016	...	2	1,403	696	2,099
17	Pyapôn District ...	288,994	135	10	10,829	12,137	22,966
	Rural ...	272,211	...	8	9,951	11,362	21,313
	Urban ...	16,783	...	2	878	775	1,653
	TENASSERIM DIVISION.						
18	Salween District ...	50,379	19	2	2,955	1,701	4,656
19	Thatôn District ...	471,100	98	10	13,246	12,924	26,170
	Rural ...	448,841	...	8	10,113	10,715	20,828
	Urban ...	22,259	...	2	3,133	2,209	5,342
20	Amherst District...	417,910	59	11	19,898	17,328	37,226
	Rural ...	350,022	...	8	15,107	15,170	30,277
	Urban ...	67,888	...	3	4,791	2,158	6,949
21	Tavoy District ...	156,786	30	6	4,285	4,249	8,534
	Rural ...	129,306	...	4	3,767	3,785	7,552
	Urban ...	27,480	...	2	518	464	982
22	Mergui District ...	135,465	14	5	2,861	2,681	5,542
	Rural ...	117,057	...	4	2,562	2,395	4,957
	Urban ...	18,408	...	1	299	286	585
	NORTH-WEST BORDER DIVISION.						
23	Pakôkku District ...	465,771	75	9	13,328	13,586	26,914
	Rural ...	446,264	...	8	11,895	12,895	24,790
	Urban ...	19,507	...	1	1,433	691	2,124
24	Pakôkku Hill Tracts ...	20,043	6	1	525	284	809
25	Katha District ...	233,706	30	6	6,184	6,420	12,604
26	Shwebo District ...	391,284	68	10	9,752	10,630	20,382
	Rural ...	377,937	...	9	9,202	10,191	19,393
	Urban ...	13,347	...	1	550	439	989
27	Sagaing District ...	326,908	180	7	13,803	17,264	31,067
	Rural ...	315,050	...	6	12,037	15,076	27,113
	Urban ...	11,858	...	1	1,766	2,188	3,954
28	Lower Chindwin District ...	342,880	99	6	8,379	8,689	17,068
	Rural ...	333,655	...	5	7,687	8,251	15,938
	Urban ...	9,225	...	1	692	438	1,130
29	Upper Chindwin District ...	179,245	11	6	6,257	6,509	12,766
30	Chin Hills District ...	110,079	14	3	2,549	2,338	4,887

* Secondary
† Work done by

DEPARTMENT.

Province of Burma during the year 1924-25—contd.

Average number of persons vaccinated by each vaccinator. (7)	Primary Vaccination.					No. (25)
	Total. (8)	Successful.			Unknown. (12)	
		Under one year. (9)	One and under six years. (10)	Total of all ages. (11)		
2,148	26,560	3,765	12,678	25,708	671	15
2,397	23,812	3,312	11,773	23,050	585	
1,153	2,748	453	905	2,658	86	
2,866	*20,755	4,992	12,581	20,528	117	16
3,320	*19,852	4,440	12,352	19,687	91	
1,050	903	552	229	841	26	
2,297	*18,532	4,740	13,200	18,437	77	17
2,664	*17,223	4,391	12,348	17,166	55	
827	*1,309	349	852	1,271	22	
2,328	*3,442	65	831	2,893	347	18
2,617	14,076	3,912	6,492	12,849	967	19
2,604	13,063	3,343	6,359	12,050	753	
2,671	1,013	569	133	799	214	
3,381	†14,716	4,086	6,086	13,998	508	20
3,785	13,002	2,504	6,022	12,351	487	
2,303	†1,714	1,582	64	1,647	21	
1,422	*5,496	3,256	1,787	5,296	73	21
1,888	*4,624	2,442	1,761	4,455	65	
491	*872	814	26	841	8	
1,108	5,070	843	2,291	3,760	454	22
1,239	4,491	597	2,034	3,257	433	
585	579	246	257	503	21	
2,990	14,915	5,874	6,117	13,343	773	23
3,099	14,087	5,427	5,878	12,563	741	
2,124	828	447	239	780	32	
809	657	11	256	626	...	24
2,101	*9,649	1,579	5,598	9,140	302	25
2,038	15,941	2,857	10,355	14,766	414	26
2,155	15,328	2,635	10,073	14,211	405	
989	613	222	282	555	9	
4,438	*14,566	6,021	7,578	13,935	370	27
4,519	*13,717	5,687	7,078	13,095	365	
3,954	849	334	500	840	5	
2,845	*11,578	7,589	2,836	11,422	...	28
3,188	*11,305	7,370	2,796	11,149	...	
1,130	273	219	40	273	...	
2,128	*7,524	706	3,718	6,979	156	29
1,629	*4,723	43	1,396	3,045	1,573	30

operations included.
other agencies included.

A.—VACCINATION

STATEMENT NO. I—*Showing the particulars of Vaccination in the*

No.	Divisions and Districts.	Re-vaccination.			Percentage of successful cases in which the results were known.		Persons successfully vaccinated per 1,000 of population.
		Total.	Successful.	Unknown.	Primary.	Re-vaccination.	
(1)	(2)	(13)	(14)	(15)	(16)	(17)	(18)
	IRRAWADDY DIVISION— <i>concl'd.</i>						
15	Myaungmya District ...	5,663	2,130	1,168	99·30	47·39	75·13
	Rural ...	4,951	1,806	967	99·24	45·33	71·08
	Urban ...	712	324	201	99·85	63·41	143·08
16	Ma-ubin District ...	7,911	1,613	438	99·47	21·58	67·07
	Rural ...	6,715	1,327	325	99·63	20·77	67·99
	Urban ...	1,196	286	113	95·90	26·41	53·63
17	Pyapôn District ...	4,459	933	625	99·90	24·33	67·03
	Rural ...	4,103	820	622	99·99	23·56	66·07
	Urban ...	356	113	3	98·76	32·01	82·46
	TENASSERIM DIVISION						
18	Salween District ...	1,263*	428	66	93·47	35·76	65·92
19	Thatôn District ...	12,094	2,887	3,965	98·02	35·51	33·40
	Rural ...	7,765	2,479	1,638	97·89	40·46	32·37
	Urban ...	4,329	408	2,327	100·00	20·38	54·23
20	Amherst District ...	22,510	4,939	3,011	98·52	25·33	45·31
	Rural ...	17,275	2,805	2,211	98·69	18·62	43·30
	Urban ...	5,235	2,134	800	97·28	48·12	55·69
21	Tavoy District ...	3,137	1,614	724	97·66	66·89	44·07
	Rural ...	3,024	1,603	627	97·72	66·88	46·85
	Urban ...	113	11	97	97·34	68·75	31·00
22	Mergui District ...	472	148	84	81·46	38·14	28·85
	Rural ...	466	145	82	80·26	37·76	29·06
	Urban ...	6	3	2	90·14	75·00	27·49
	NORTH-WEST BORDER DIVISION.						
23	Pakôkku District ...	11,999	1,560	783	94·35	13·91	32·00
	Rural ...	10,703	1,484	521	94·13	14·57	31·48
	Urban ...	1,296	76	262	97·99	7·35	43·88
24	Pakôkku Hill Tracts ...	152	117	...	95·28	76·97	37·07
25	Katha District ...	2,974	1,147	215	97·79	41·57	44·02
26	Shwebo District ...	4,441	2,516	495	95·10	63·76	44·17
	Rural ...	4,065	2,280	460	95·23	63·25	43·63
	Urban ...	376	236	35	91·89	69·21	59·26
27	Sagaing District ...	16,633	9,828	2,525	98·16	69·66	72·69
	Rural ...	13,528	7,563	2,368	98·08	67·77	65·57
	Urban ...	3,105	2,265	157	99·53	76·83	261·84
28	Lower Chindwin District ...	5,507	4,447	151	98·65	83·03	46·28
	Rural ...	4,650	3,758	151	98·62	83·53	44·68
	Urban ...	857	689	...	100·00	80·40	104·28
29	Upper Chindwin District ...	5,248	3,541	292	94·72	71·45	58·69
30	Chin Hills District ...	173	61	51	96·67	50·00	28·22

* Secondary

DEPARTMENT.

Province of Burma during the year 1924-25—contd.

Percentage of unknown cases to total cases.		Average annual number of persons successfully vaccinated during previous five years.		Average annual number of deaths from small-pox during previous five years.		No.
Primary.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.	
(19)	(20)	(21)	(22)	(23)	(24)	(25)
2.53	20.63	17,832	50.04	23	.06	15
2.46	19.53	...	...	...	...
3.13	28.23	...	...	...	...
.56	5.54	19,581	61.19	43	.13	16
.46	4.84	...	...	...	...
2.88	9.45	...	...	...	...
.42	14.02	15,590	56.51	20	.07	17
.32	15.16	...	...	...	...
1.68	.84	...	...	...	...
10.08	5.23	2,310	47.27	...	...	18
6.87	32.78	22,040	49.55	94	.21	19
5.76	21.09	...	...	...	...
21.13	53.75	...	...	...	...
3.45	13.38	24,918	62.62	101	.25	20
3.75	12.80	...	...	...	...
1.23	15.28	...	...	...	...
1.33	23.08	7,002	47.25	1	...	21
1.41	20.73	...	...	...	...
.92	85.84	...	...	...	...
8.95	17.80	4,405	35.00	4	.03	22
9.64	17.60	...	...	...	...
3.63	33.33	...	...	...	...
5.18	6.53	18,490	40.03	50	.11	23
5.26	4.87	...	...	...	...
3.86	20.22	...	...	...	...
...	...	...	...	...	...	24
3.13	7.23	9,928	40.28	...	...	25
2.60	11.15	14,065	37.28	57	.16	26
2.64	11.32	...	...	...	...
1.47	9.31	...	...	...	...
2.54	15.18	21,419	66.73	78	.24	27
2.66	17.50	...	...	...	...
.59	5.06	...	...	...	...
...	2.74	17,019	51.23	24	.07	28
...	3.25	...	...	...	...
...	
2.07	5.56	10,035	57.08	...	...	29
33.31	29.48	2,553	22.42	...	...	30

operations included.

A.—VACCINATION

STATEMENT NO. I—Showing the particulars of Vaccination in the

No.	Divisions and Districts.	Population of districts according to Census of 1921.	Average population per square mile.	Average number of vaccinators employed throughout the year.	Total number of persons vaccinated.		
(1)	(2)	(3)	(4)	(5)	(6)		
					Males.	Females.	Total.
MANDALAY DIVISION.							
31	Mandalay District ...	356,621	166	11	15,988	15,654	31,642
	Rural ...	187,707	...	5	6,437	7,560	13,997
	Urban ...	168,914	...	6	9,551	8,094	17,645
32	Kyauksè District ...	142,677	111	4	4,537	6,139	10,676
	Rural ...	136,570	...	3	3,820	5,484	9,304
	Urban ...	6,107	...	1	717	655	1,372
33	Meiktila District ...	289,897	127	5	6,508	6,511	13,019
	Rural ...	281,029	...	4	5,586	5,985	11,571
	Urban ...	8,868	...	1	922	526	1,448
34	Yamèthin District ...	323,189	77	7	10,873	11,739	22,612
	Rural ...	294,730	...	5	8,070	8,911	16,981
	Urban ...	28,459	...	2	2,803	2,828	5,631
35	Myingyan District ...	442,008	161	9	10,256	10,726	20,982
	Rural ...	415,983	...	7	9,655	10,268	19,923
	Urban ...	26,025	...	2	601	458	1,059
36	Magwe District ...	423,252	115	9	9,226	9,506	18,732
	Rural ...	399,612	...	6	8,769	9,054	17,823
	Urban ...	23,640	...	3	457	452	909
37	Minbu District ...	274,302	83	7	8,036	8,546	16,582
	Rural ...	262,065	...	5	7,718	8,296	16,014
	Urban ...	12,237	...	2	318	250	568
* NORTH-EAST FRONTIER DIVISION.							
38	Putao District ...	7,673	38	...	532	115	647
39	Myitkyina District ...	138,401	12	2	1,154	912	2,066
	Rural ...	133,445	...	2	998	810	1,808
	Urban ...	4,956	...	...	156	102	258
40	Bhamo District ...	112,960	16	4	3,476	3,526	7,002
	Rural ...	105,219	...	3	3,130	3,344	6,474
	Urban ...	7,741	...	1	346	182	528
41	Northern Shan States ...	559,223	28	19	13,295	12,450	25,745
	Rural ...	555,775	...	19	12,946	12,238	25,184
	Urban ...	3,448	...	...	349	212	561
42	Southern Shan States ...	911,468	23	18	12,757	11,517	24,274
	TOTAL ...	13,169,099	56	342	426,022	379,610	805,632
	Rural ...	11,936,964	...	268	320,179	329,660	649,839
	Urban ...	1,232,135	...	74	105,843	49,950	155,793

* Secondary

† Work done by

DEPARTMENT.

Province of Burma during the year 1924-25—contd.

Average number of persons vaccinated by each vaccinator. (7)	Primary Vaccination,					No. (25)
	Total. (8)	Successful.			Unknown. (12)	
		Under one year. (9)	One and under six years. (10)	Total of all ages. (11)		
2,877	*17,492	9,370	7,046	17,094	205	31
2,799	*9,357	3,092	5,338	8,994	204	
2,941	*8,135	6,278	1,708	8,100	1	
2,669	*2,933	1,413	1,283	2,764	*118	32
3,101	*2,691	1,240	1,232	2,531	*114	
1,372	*242	173	51	233	*4	
2,604	8,039	1,463	5,545	7,689	287	33
2,893	7,615	1,273	5,391	7,273	281	
1,448	424	190	154	416	6	
3,230	14,027	6,309	5,159	12,778	837	34
3,396	12,214	5,437	4,368	11,105	748	
2,816	1,813	872	791	1,673	89	
2,331	13,135	6,988	5,210	12,198	627	35
2,846	12,474	6,542	5,002	11,544	621	
530	661	446	208	654	6	
2,081	*13,697	6,098	5,291	13,308	151	36
2,971	*13,021	5,585	5,144	12,647	141	
303	676	513	147	661	10	
2,369	*15,390	5,505	5,852	12,918	*1,842	37
3,203	*14,910	5,304	5,743	12,608	*1,724	
284	*480	201	109	310	*118	
...	176	7	...	94	79	38
1,033	*1,634	242	701	1,505	113	39
904	*1,459	214	624	1,358	88	
...	175	28	77	147	25	
1,751	3,461	812	1,405	3,139	193	40
2,158	3,211	647	1,351	2,910	184	
528	250	165	54	229	9	
1,355	25,018	2,170	12,591	22,049	1,874	41
1,325	24,698	2,117	12,501	21,747	1,869	
...	320	53	90	302	5	
1,349	23,458	1,621	9,390	22,624	294	42
2,349	*†531,035	147,675	255,866	499,424	20,309	
2,425	*480,399	118,038	241,667	451,058	18,595	
2,076	*†50,636	29,637	14,199	48,366	1,714	

operations included.
other agencies included.

A.—VACCINATION

STATEMENT NO. I—Showing the particulars of Vaccination in the

No.	Divisions and Districts.		Re-vaccination.			Percentage of successful cases in which the results were known.		Persons successfully vaccinated per 1,000 of population.
			Total.	Successful.	Unknown.	Primary.	Re-vaccination.	
(1)	(2)		(13)	(14)	(15)	(16)	(17)	(18)
MANDALAY DIVISION.								
31	Mandalay District	...	14,185	6,113	1,036	98·88	46·49	65·07
	Rural	...	4,658	2,595	275	98·26	59·21	61·74
	Urban	...	9,527*	3,518	761	99·58	40·13	68·79
32	Kyauksè District	...	7,803*	4,832	1,061	98·19	71·67	53·24
	Rural	...	6,667*	4,108	994	98·21	72·41	48·61
	Urban	...	1,136	724	67	97·90	67·73	156·71
33	Meiktila District	...	4,980	1,845	1,549	99·19	53·77	32·89
	Rural	...	3,956	1,097	1,478	99·17	44·27	29·78
	Urban	...	1,024	748	71	99·52	78·49	131·26
34	Yamèthin District	...	8,585	3,442	1,987	96·88	52·17	50·19
	Rural	...	4,767	1,753	807	96·85	44·27	43·63
	Urban	...	3,818	1,689	1,180	97·04	64·03	118·13
35	Myingyan District	...	7,847	3,134	1,334	97·52	48·12	34·69
	Rural	...	7,449	2,818	1,303	97·39	45·85	34·53
	Urban	...	398	316	31	99·85	86·10	37·27
36	Magwe District	...	5,036	1,890	524	98·24	41·89	35·91
	Rural	...	4,803	1,761	478	98·19	40·72	36·05
	Urban	...	233	129	46	99·25	68·98	33·42
37	Minbu District	...	*1,670	784	167	95·35	52·16	49·95
	Rural	...	*1,548	774	123	95·62	54·32	51·06
	Urban	...	* 122	10	44	85·64	12·82	26·15
NORTH-EAST FRONTIER DIVISION.								
38	Putao District	...	471	117	...	96·91	24·84	27·50
39	Myitkyina District	...	445	163	18	98·95	38·17	12·05
	Rural	...	362	111	6	99·05	31·18	11·01
	Urban	...	83	52	12	98·00	73·24	40·15
40	Bhamo District	...	3,541	2,819	165	96·05	83·50	52·74
	Rural	...	3,263	2,669	98	96·13	84·33	53·02
	Urban	...	278	150	67	95·02	71·09	48·96
41	Northern Shan States	...	727	622	13	95·27	87·11	40·54
	Rural	...	486	384	13	95·26	81·18	39·82
	Urban	...	241	238	...	95·87	98·76	156·61
42	Southern Shan States	...	816	369	32	97·67	47·07	25·23
TOTAL			275,584*	106,683	52,130	97·79	47·74	46·02
Rural			170,355*	65,579	24,443	97·67	44·94	43·28
Urban			105,229*	41,104	27,687	98·86	53·01	72·61

* Secondary

† Work done by

DEPARTMENT.

Province of Burma during the year 1924-25—concl'd.

Percentage of unknown cases to total cases.		Average annual number of persons successfully vaccinated during previous five years.		Average annual number of deaths from small-pox during previous five years.		No.
Primary.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.	
(19)	(20)	(21)	(22)	(23)	(24)	(25)
1'17	7'30	19,883	56'76	284	'81	31
2'18	5'90	...	...	...	...
'01	7'99	...	...	...	...
4'02	13'60	6,273	44'12	2	'01	32
4'24	14'91	...	...	...	...
1'65	5'90	...	...	...	...
3'57	31'10	10,097	35'27	37	'13	33
3'69	37'36	...	...	...	...
1'42	6'93	...	...	...	...
5'97	23'15	39,249	124'02	12	'04	34
6'12	16'93	...	...	...	...
4'91	30'91	...	...	...	...
4'77	17'00	14,416	33'93	199	'47	35
4'98	17'49	...	...	...	...
'91	7'79	...	...	...	...
1'10	10'41	17,557	44'10	142	'36	36
1'08	9'95	...	...	...	...
1'48	19'74	...	...	...	...
11'97	10'00	10,262	38'04	133	'49	37
11'56	7'95	...	...	...	...
24'58	36'07	...	...	...	...
44'89	...	209	12'29	...	...	38
6'92	4'04	2,176	19'91	...	...	39
6'03	1'66	...	...	...	...
14'29	14'46	...	...	...	...
5'58	4'66	3,521	31'75	...	...	40
5'73	3'00	...	...	...	...
3'60	24'10	...	...	...	...
7'49	1'79	13,819	25'57	...	...	41
7'57	2'67	...	...	...	...
1'56	...	...	...	...	...
1'25	3'92	18,608	20'52	...	...	42
3'82	18'92	572,550	44'87	2,408	'23	
3'87	14'35	...	...	...	...
3'38	26'31	...	...	...	...

operations included.
other agencies included.

SUM

(1)	Total number of persons vaccinated.		Total number of operations performed.		Percentage of successful cases in which results were known.	
	Primary. (2)	Re-vaccination. (3)	Primary. (4)	Re-vaccination. (5)	Primary. (6)	Re-vaccination. (7)
198 198 861 7-1-1918 By Special Staff (Statement I) 8 ...	529,614	273,825	530,498	273,928	97.79	47.70
By Dispensary Staff (Statement III)	6,116	4,032	6,116	4,032	95.11	74.92
By other agencies, if any ...	537	1,656	537	1,656	98.87	54.80
Total ...	536,267	279,513	537,151	279,616	97.76	48.17

MARY.

Average number of persons vaccinated by each vaccinator.		Number of children successfully vaccinated.		Ratio of successful vaccination per 1,000 population.	Total cost of Department.	Average cost of each successful case.
Vaccinators employed.	Persons vaccinated by each vaccinator.	Under one year.	One year and under six years.			
(8)	(9)	(10)	(11)	(12)	(13)	(14)
342	2,349	147,364	255,693	45·92	Rs. 3,57,956 A. 4 P. 0	Rs. 0 A. 9 P. 6
...	...	1,438	2,356	·60	...	
...	...	311	173	·10	...	
342	2,349	149,113	258,222	46·62	...	

A.—VACCINATION

STATEMENT NO. II—*Showing the cost of the Department in the*

No.	Divisions and Districts.	District Health Officers.	Pay.			Inspectors of vaccination.	Pay.			Ex
			(4)				(6)			
(1)	(2)	(3)	Rs. A. P.			(5)	Rs. A. P.			
ARAKAN DIVISION.										
1	Akyab ... ..	...	...			3	1,672	8	0	
2	Hill District of Arakan ... ..	...	...			...	...
3	Kyaukpyu ... ..	...	...			1	1,049	2	0	
4	Sandoway ... ..	...	...			1	864	10	0	
RANGOON DIVISION.										
5	Rangoon ... ..	...	...			1	...			
6	Insein ... ..	...	...			5	3,501	10	0	
7	Hanthawaddy ... ..	...	...			2	2,828	5	0	
PEGU DIVISION.										
8	Tharrawaddy ... ..	...	...			6	1,565	0	0	
9	Pegu ... ..	...	...			2	1,767	8	0	
10	Prome ... ..	...	...			1	...			
11	Toungoo ... ..	...	...			3	1,890	0	0	
12	Thayetmyo ... ..	...	...			2	1,430	0	0	
IRRAWADDY DIVISION.										
13	Bassein ... ..	...	...			3	2,250	0	0	
14	Henzada ... ..	...	...			4	3,440	0	0	
15	Myaungmya ... ..	...	...			5	2,755	10	0	
16	Ma-ubin ... ..	...	...			2	3,938	8	0	
17	Pyapôn ... ..	...	...			4	3,357	14	0	
TENASSERIM DIVISION.										
18	Salween ... ..	...	...			...	...
19	Thatôn ... ..	...	...			2	3,405	10	0	
20	Amherst ... ..	...	...			3	2,500	0	0	
21	Tavoy ... ..	...	...			1	2,320	0	0	
22	Mergui ... ..	...	...			1	1,200	0	0	

* No share of pay of the Superintendent, Vaccine Dépôt, 2 Female Registrar-Vaccinators and 12 Assistant in Rangoon Cantonment was paid by Government.

DEPARTMENT.

Province of Burma during the year 1924-25. (Paragraphs 1 and 15.)

penditure.

Vaccinators.	Pay.			Clerks.	Pay.			Peons, etc.	Pay.			Total pay of establishment.			Travelling allowance.			No.
(7)	(8)			(9)	(10)			(11)	(12)			(13)			(14)			(25)
	Rs.	A.	P.		Rs.	A.	P.		Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
11	4,506	0	0	...	...			...	...			6,178	8	0	3,148	4	0	1
2	1,239	0	0	...	...			...	...			1,239	0	0	559	14	0	2
6	2,684	1	0	...	...			...	...			3,733	3	0	2,022	2	0	3
4	1,301	3	0	...	...			...	...			2,165	13	0	1,239	0	0	4
13	4,687	10	0	...	...			2	446	4	0	*5,133	14	0	242	5	9	5
6	3,884	0	0	...	...			...	...			7,385	10	8	4,143	1	0	6
9	4,368	12	6	...	...			...	...			7,197	1	6	5,070	11	0	7
9	3,833	0	9	...	...			...	...			5,398	0	9	3,594	7	0	8
8	5,073	0	0	...	...			...	...			6,840	8	0	3,727	7	6	9
12	5,370	0	0	...	...			...	...			5,370	0	0	2,442	10	6	10
13	5,382	7	11	...	...			...	...			7,272	7	11	3,946	11	0	11
8	3,678	8	2	...	...			...	...			5,108	8	2	2,503	6	0	12
15	5,917	15	0	...	...			...	...			8,167	15	0	4,445	7	6	13
14	6,702	5	0	...	...			...	...			10,142	5	0	4,644	8	0	14
15	6,315	8	0	...	...			...	...			9,071	2	0	4,234	2	0	15
10	4,170	1	4	...	...			...	...			8,108	9	4	4,288	12	0	16
10	4,360	12	10	...	...			...	...			7,718	10	10	3,542	7	6	17
2	901	14	0	...	...			...	...			901	14	0	692	3	0	18
10	4,932	2	1	...	...			...	...			8,337	12	1	3,807	5	0	19
11	4,897	14	0	...	...			...	...			7,397	14	0	3,315	9	0	20
6	2,656	1	7	...	...			...	...			4,976	1	7	2,956	12	0	21
5	2,493	4	0	...	...			...	...			3,693	4	0	1,815	7	0	22

Registrar-Vaccinators of Rangoon Corporation have been included in the cost. Out of 13 only 1 Vaccinator employed

A.—VACCINATION

STATEMENT NO. II—*Showing the cost of the Department*

No.	Divisions and Districts.	District Health Officers.	Ex		
			Pay.	Inspectors of vaccination.	Pay.
(1)	(2)	3)	(4)	(5)	(6)
	NORTH-WEST BORDER DIVISION.		Rs. A. P.		Rs. A. P.
23	Pakôkku ... ..	...	...	1	1,429 3 0
24	Pakôkku Hill Tracts ... ..	...	...	...	...
25	Katha ... ..	...	...	1	2,718 0 0
26	Shwebo ... ..	...	...	1	900 0 0
27	Sagaing ... ..	...	...	1	840 0 0
28	Lower Chindwin ... ..	...	...	1	1,496 2 0
29	Upper Chindwin ... ..	...	...	1	1,170 0 0
30	Chin Hills ... ..	...	...	...	...
	MANDALAY DIVISION.				
31	Mandalay ... ..	...	...	1	950 0 0
32	Kyauksè ... ..	...	...	1	1,504 0 0
33	Meiktila ... ..	...	...	1	1,442 10 0
34	Yamèthin ... ..	...	...	1	1,290 0 0
35	Myingyan ... ..	...	...	3	840 0 0
36	Magwe ... ..	...	...	3	1,107 8 0
73	Minbu ... ..	...	...	2	120 0 0
	NORTH-EAST FRONTIER DIVISION.				
38	Putao ... ..	...	...	...	...
39	Myitkyina ... ..	...	...	...	...
40	Bhamo ... ..	...	...	...	...
41	Northern Shan States ... ..	...	...	...	...
42	Southern Shan States ... ..	...	...	2	2,800 0 0
43	Meiktila Vaccine Depôt	1	1,800 0 0	1	1,852 11 0
44	Office of Director of Public Health, Burma. ... ..	...	...	...	...
	TOTAL	1	1,800 0 0	*73	62,196 7 8

* This includes 22 Sub-Assistant Surgeons who are receiving vaccination allowance, or who have been appointed Meiktila, 43 Inspectors of Vaccination, 1 Head Vaccinator and 6 Public Health Inspectors.

DEPARTMENT.

in the Province of Burma during the year 1924-25—contd.

penditure.

Vacci- nators.	Pay.			Clerks.	Pay.			Peons, etc.	Pay.			Total pay of establish- ment.			Travelling allowance.			No.
(7)	(8)			(9)	(10)			(11)	(12)			(13)			(14)			(25)
	Rs.	A.	P.		Rs.	A.	P.		Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
9	3,981	0	6	...	...			...	...			5,410	3	6	4,212	2	0	23
1	571	8	0	...	...			1	270	0	0	841	8	0	404	2	0	24
6	3,182	5	0	...	...			...	...			5,900	5	0	2,723	1	0	25
10	4,614	10	8	...	...			...	...			5,514	10	8	2,827	7	0	26
7	3,200	4	11	...	...			...	...			4,040	4	11	2,134	13	6	27
6	2,692	4	10	...	...			1	42	6	5	4,230	13	3	1,833	6	6	28
6	3,504	10	0	...	...			...	...			4,674	10	0	2,793	11	0	29
3	1,760	11	0	...	...			...	...			1,760	11	0	903	8	0	30
11	5,762	2	9	...	...			...	...			6,712	2	9	1,684	4	0	31
4	1,691	3	7	...	...			...	...			3,195	3	7	1,335	2	0	32
5	2,097	12	0	...	...			...	...			3,540	6	0	2,166	10	0	33
7	3,332	15	0	...	...			...	...			4,622	15	0	2,400	3	0	34
9	3,537	2	0	...	...			...	...			4,377	2	0	2,966	6	0	35
9	4,360	8	0	...	...			...	...			5,468	0	0	2,283	6	0	36
7	2,673	13	8	...	...			...	...			2,793	13	8	1,030	4	0	37
...	...			...	...			...	...			...			...			38
2	1,357	8	0	...	...			...	...			1,357	8	0	376	15	0	39
4	2,104	13	0	...	...			...	...			2,104	13	0	691	13	0	40
19	6,885	7	0	...	...			...	...			6,885	7	0	3,807	5	0	41
18	6,825	7	0	1	915	15	0	6	1,620	0	0	12,161	6	0	5,012	8	0	42
...	...			2	4,451	12	0	...	...			8,104	7	0	...			43
...	...			...	...			...	...			...			...			44
342	153,491	12	1	3	5,367	11	0	10	2,378	10	5	2,25,234	9	2	1,07,969	7	9	

as whole-time officers for supervising vaccination and vital statistics work, 1 Assistant Director, Vaccine Depot.

A.—VACCINATION

STATEMENT NO. II—*Showing the cost of the Department*

No.	Divisions and Districts.	Expenditure.						Deputy Com- missioner's Local Funds.	Provincial Funds.				
		Contingencies.			Total cost.								
(1)	(2)	(15)			(16)			(17)	(18)				
	ARAKAN DIVISION.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
1	Akyab ...	861	9	0	10,188	5	0	...			...
2	Hill District of Arakan ...	...			1,798	14	0	...			1,798	14	0
3	Kyaukpyu ...	...			5,755	5	0	5,573	4	0	...		
4	Sandoway ...	61	11	0	3,466	8	0	3,322	8	0	...		
	RANGOON DIVISION.												
5	Rangoon ...	6,985	0	1	12,361	3	10	...			824	3	0
6	Insein ...	63	4	0	11,591	15	8	...			...
7	Hanthawaddy ...	133	2	0	12,400	14	6	...			...
	PEGU DIVISION.												
8	Tharrawaddy ...	42	2	0	9,034	9	9	...			...
9	Pegu ...	154	0	0	10,721	15	6	...			...
10	Prome ...	...			7,812	10	6	...			...
11	Toungoo ...	62	15	6	11,282	2	5	...			...
12	Thayetmyo ...	42	0	0	7,653	14	2	...			...
	IRRAWADDY DIVISION.												
13	Bassein ...	18	4	0	12,631	10	6	1,167	8	0	...		
14	Henzada ...	183	9	0	14,970	6	0	...			...
15	Myaungmya ...	102	6	0	13,407	10	0	...			...
16	Ma-ubin ...	...			12,397	5	4	...			...
17	Pyapôn ...	35	8	0	11,296	10	4	...			...
	TENASSERIM DIVISION.												
18	Salween ...	282	15	0	1,877	0	0	1,877	0	0	...		
19	Thatôn ...	...			12,145	1	1	...			...
20	Amherst ...	119	0	0	10,832	7	0	2,491	10	0	...		
21	Tavoy ...	158	6	0	8,091	3	7	...			...
22	Mergui ...	48	4	0	5,556	15	0	...			...

* The average cost in column 24 is calculated on the total number of successful vaccinations

DEPARTMENT.

in the Province of Burma during the year 1924-25—contd.

Paid from				Number of all successful vaccinations and re-vaccinations by special staff only.	Average cost of each successful case.*	No.
District Council Funds.	Municipalities.	Federated Funds.	Total.			
(19)	(20)	(21)	(22)	(23)	(24)	(25)
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		Rs. A. P.	
8,555 3 0	1,633 2 0	...	10,188 5 0	24,166	0 6 9	1
...	...	...	1,798 14 0	1,469	1 3 7	2
..	182 1 0	...	5,755 5 0	9,145	0 10 0	3
...	144 0 0	...	3,466 8 0	6,024	0 9 2	4
...	11,537 0 10	...	12,361 3 10	31,138	0 6 4	5
10,525 3 8	1,066 12 0	...	11,591 15 8	14,394	0 12 11	6
11,637 6 6	763 8 0	...	12,400 14 6	20,453	0 9 8	7
8,014 9 9	1,020 0 0	...	9,034 9 9	21,952	0 6 7	8
9,511 15 6	1,210 0 0	...	10,721 15 6	17,435	0 9 10	9
6,036 10 5	1,776 0 0	...	7,812 10 6	14,347	0 8 9	10
9,943 2 6	1,338 15 11	...	11,282 2 5	13,041	0 13 10	11
6,525 14 2	1,128 0 0	...	7,653 14 2	10,490	0 11 8	12
9,470 0 3	1,994 2 3	...	12,631 10 6	23,800	0 8 6	13
13,870 13 0	1,099 9 0	...	14,970 6 0	28,009	0 8 7	14
11,909 10 0	1,498 0 0	...	13,407 10 0	27,838	0 7 8	15
11,479 9 4	917 12 0	...	12,397 5 4	22,141	0 9 0	16
10,216 10 4	1,080 0 0	...	11,296 10 4	19,370	0 9 4	17
...	...	...	1,877 0 0	3,321	0 9 0	18
11,394 12 9	750 4 4	...	12,145 1 1	15,736	0 12 4	19
6,456 13 0	1,884 0 0	...	10,832 7 0	18,912	0 9 2	20
7,314 5 10	776 12 9	...	8,091 3 7	6,910	1 2 9	21
4,949 7 0	607 8 0	...	5,556 15 0	3,908	1 6 9	22

and re-vaccinations performed by special staff only, *vide* column 23.

A.—VACCINATION

STATEMENT NO. II—*Showing the cost of the Department*

No.	Divisions and Districts.	Expenditure.						Deputy Com- missioner's Local Funds.	Provincial Funds.	
		Contingencies.			Total cost.					
(1)	(2)	(15)			(16)			(17)	(18)	
	NORTH-WEST BORDER DIVISION.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
23	Pakôkku ...	...			9,622	5	6	...		
24	Pakôkku Hill Tracts ...	...			1,245	10	0	...		
25	Katha ...	...			8,623	6	0	8,623	6	0
26	Shwebo ...	...			8,342	1	8	...		
27	Sagaing ...	21	14	0	6,197	0	5	...		
28	Lower Chindwin ...	13	14	0	6,078	1	9	...		
29	Upper Chindwin ...	...			7,468	5	0	7,468	5	0
30	Chin Hills ...	...			2,664	3	0	...		
	MANDALAY DIVISION.									
31	Mandalay ...	217	12	0	8,614	2	9	...		
32	Kyauksè ...	...			4,530	5	7	...		
33	Meiktila ...	129	8	3	5,836	8	3	...		
34	Yamèthin ...	...			7,023	2	0	183	4	0
35	Myingyan ...	...			7,343	8	0	...		
36	Magwe ...	...			7,751	6	0	...		
37	Minbu ...	83	1	0	3,907	2	8	1,052	10	6
	NORTH-EAST FRONTIER DIVISION.									
38	Putao ...	...			...			...
39	Myitkyina ...	...			1,734	7	0	1,734	7	0
40	Bhamo ...	...			2,796	10	0	2,346	10	0
41	Northern Shan States ...	88	14	0	10,781	10	0	...		
42	Southern Shan States ...	96	15	0	17,270	13	0	...		
43	Meiktila Vaccine Depôt ...	14,624	7	3	22,728	14	3	...		
44	Office of Director of Public Health, Burma.	121	14	0	121	14	0	...		
	TOTAL ...	24,752	3	1	357,956	4	0	35,840	8	6
									30,025	10 3

* The average cost in column 24 is calculated on the total number of successful vaccinations.

DEPARTMENT.

in the Province of Burma during the year 1924-25—concl'd.

Paid from				Number of all successful vaccinations and re-vaccinations by special staff only.	Average cost of each successful case.*	No.
District Council Funds.	Municipalities.	Federated Funds.	Total.			
(19)	(20)	(21)	(22)	(23)	(24)	(25)
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		Rs. A. P.	
9,123 3 0	499 2 6	...	9,622 5 6	14,903	0 10 4	23
...	...	...	1,245 10 0	743	1 10 10	24
...	...	...	8,623 6 0	10,287	0 13 5	25
7,869 7 0	472 10 8	...	8,342 1 8	17,282	0 7 8	26
5,584 0 5	613 0 0	...	6,197 0 5	23,763	0 4 2	27
5,706 1 9	372 0 0	...	6,078 1 9	15,869	0 6 2	28
... 8 1	...	...	7,468 5 0	10,520	0 11 4	29
... 1 9 8	...	...	2,664 3 0	3,106	0 13 9	30
4,348 11 0	3,623 7 9	...	8,614 2 9	23,207	0 5 11	31
4,267 2 0	263 3 7	...	4,530 5 7	7,596	0 9 7	32
5,433 1 0	403 7 3	...	5,836 8 3	9,534	0 9 10	33
5,694 15 0	1,144 15 0	...	7,023 2 0	16,220	0 6 11	34
6,563 8 0	780 0 0	...	7,343 8 0	15,332	0 7 8	35
5,945 6 0	1,806 0 0	...	7,751 6 0	15,198	0 8 2	36
1,888 11 6	965 12 8	...	3,907 2 8	13,702	0 4 7	37
...	...	...	...	211	...	38
...	...	...	1,734 7 0	1,668	1 0 8	39
...	450 0 0	...	2,796 10 0	5,958	0 7 6	40
...	...	10,781 10 0	10,781 10 0	22,671	0 7 7	41
...	...	17,270 13 0	17,270 13 0	22,993	0 12 0	42
...	...	...	22,728 14 3	...	...	43
...	...	...	121 14 0	...	...	44
2,20,236 6 9	43,801 3 6	28,052 7 0	3,57,956 4 0	604,762	0 9 6	

and re-vaccinations performed by special staff only, *vide* column 23.

B.—DISPENSARY

STATEMENT NO. III—*Showing Dispensary Vaccination*

No.	Divisions and Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary		
						Total.	Success	
							Under one year.	One and under six years.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	ARAKAN DIVISION.							
1	Akyab ...	...	...	...	...	...	...	...
2	Hill District of Arakan.	...	...	157	...	36	4	25
3	Kyaukpyu ...	...	...	168	...	20	3	6
4	Sandoway ...	...	...	...	...	...	...	...
	RANGOON DIVISION.							
5	Rangoon ...	...	...	...	...	...	...	...
6	Insein ...	...	...	...	...	...	...	...
7	Hanthawaddy ...	...	...	...	...	...	...	...
	PEGU DIVISION.							
8	Tharrawaddy ...	...	...	427	...	154	31	99
9	Pegu ...	...	...	...	...	...	...	...
10	Prome ...	...	...	...	...	...	...	...
11	Toungoo ...	...	...	...	...	...	...	...
12	Thayetmyo ...	...	...	...	...	...	...	...
	IRRAWADDY DIVISION.							
13	Bassein ...	...	...	4,475	...	2,334	885	679
14	Henzada ...	...	...	9	...	5	...	...
15	Myaungmya ...	...	...	337	...	251	68	98
16	Ma-ubin ...	...	...	87	...	46	6	16
17	Pyapôn ...	...	...	181	...	67	12	19
	TENASSERIM DIVISION.							
18	Salween ...	...	...	...	...	...	...	...
19	Thatôn ...	...	...	...	...	...	...	...
20	Amherst ...	...	...	48	...	43	15	21
21	Tavoy ...	...	...	...	...	...	...	...
22	Mergui ...	...	...	...	...	...	...	...

VACCINATION.

in the Province of Burma for the year 1924-25—(Paragraph 8.)

[illegible]

B.—DISPENSARY

STATEMENT No. III—*Showing Dispensary Vaccination*

No.	Divisions and Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary		
						Total.	Success	
							Under One year.	One and under six years.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	NORTH-WEST BORDER DIVISION.							
23	Pakôkku ...	...	...	97	...	43	9	7
24	Pakôkku Hill Tracts	...	...	...	...	...	...	...
25	Katha ...	...	...	155	...	32	8	19
26	Shwebo ...	...	...	13	...	11	2	9
27	Sagaing ...	...	...	...	...	...	...	...
28	Lower Chindwin ...	...	...	...	...	...	...	...
29	Upper Chindwin ...	...	...	255	...	117	16	49
30	Chin Hills ...	...	...	50	...	44	15	27
	MANDALAY DIVISION.							
31	Mandalay ...	...	...	281	...	120	49	65
32	Kyauksè ...	...	...	65	...	59	42	18
33	Meiktila ...	...	...	244	...	55	6	31
34	Yamèthin ...	...	...	...	...	...	...	...
35	Myingyan ...	...	...	...	...	...	...	...
36	Magwe ...	...	...	25	...	...	...	...
37	Minbu ...	...	...	...	...	...	...	...
	NORTH-EAST FRONTIER DIVISION.							
38	Putao ...	...	...	...	...	...	...	...
39	Myitkyina ...	...	...	1,797	...	1,541	50	645
40	Bhamo ...	...	...	508	...	409	30	133
41	Northern Shan States	...	...	82	...	68	15	9
42	Southern Shan States	...	...	687	...	661	172	381
	TOTAL ...	...	...	10,148	...	6,116	1,438	2,356

VACCINATION.

in the Province of Burma for the year 1924-25—concl'd.

Vaccination.		Re-vaccination.			Percentage of success- ful cases in which the results were known.		Percentage of unknown cases to total cases.		No.
ful.		Total.	Successful.	Unknown.	Primary.	Re-vacci- nation.	Primary.	Re-vacci- nation.	
Total of all ages.	Unknown.								
(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
20	4	54	5	2	51·28	9·62	9·30	3·70	23
...	...	...	...	...	...	...	...	...	24
28	4	123	38	7	100·00	32·76	12·50	5·69	25
11	...	2	1	...	100·00	50·00	...	...	26
...	...	...	...	...	...	...	...	...	27
...	...	...	...	...	...	...	...	...	28
112	3	138	40	17	98·25	33·06	2·56	12·32	22
42	2	6	6	...	100·00	100·00	4·55	...	30
117	...	161	118	10	97·50	78·15	...	6·21	31
58	...	6	...	...	98·31	...	...	...	32
45	9	189	65	14	97·83	37·14	16·36	7·41	33
...	...	...	...	...	...	...	...	...	34
...	...	...	...	...	...	...	...	...	35
...	...	25	...	25	...	...	...	100·00	36
...	...	...	...	...	...	...	...	...	37
...	...	...	...	...	...	...	...	...	38
1,011	306	256	145	15	81·86	60·17	19·86	5·86	39
318	82	99	56	22	97·25	72·73	20·05	22·22	40
61	5	14	10	1	96·83	76·92	7·35	7·14	41
561	100	26	21	2	100·00	87·50	15·13	7·69	42
5,175	675	4,032	2,703	424	95·11	74·92	11·04	10·52	

COMPARATIVE STATEMENT NO. IV—*Showing the number of persons vaccinated in the Province of Burma in each of the*

Establishments.	Persons prima									
	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.
	1915-16.		1916-17.		1917-18.		1918-19.		1919-20.	
(1)	(2)		(3)		(4)		(5)		(6)	
Government.	149,958	139,601	155,431	144,836	155,824	143,536	146,541	138,337	179,204	162,448
Municipal	32,795	31,123	38,123	34,760	33,500	30,953	37,290	35,269	38,604	35,973
Local Funds.	198,458	184,045	213,420	200,118	227,468	212,064	231,214	216,462	257,218	239,580
Federated States.	3,390	2,203	10,391	10,025	11,186	7,153	7,854	7,349	9,177	5,045
Dispensary	2,849	2,535	2,899	2,320	1,523	1,307	2,063	1,764	7,220	4,781
Other Agencies	7,341	5,520	2,314	878	705	402	304	303	398	371
ARMY.										
Europeans	25	25	10	10	12	11	24	23	28	24
Natives	655	513	597	512	415	346	482	431	67	27
Total ...	395,471	365,565	423,185	393,459	430,633	395,772	425,772	399,938	491,916	448,249

primarily vaccinated and the number of those persons who were successfully undermentioned official years.

rily vaccinated.

Total number.	Number success- fully vacci- nated.	Total number.	Number success- fully vacci- nated.	Total number.	Number success- fully vacci- nated.	Total number.	Number success- fully vacci- nated.	Total number.	Number success- fully vacci- nated.	Establish- ments.
1920-21.		1921-22.		1922-23.		1923-24.		1924-25.		(12)
(7)		(8)		(9)		(10)		(11)		
165,491	152,910	174,549	160,011	196,950	180,625	180,459	168,357	6,806	4,997	Government.
35,519	33,224	40,478	38,460	41,884	39,932	41,977	39,974	49,378	47,231	Municipal.
272,949	256,940	262,388	247,532	270,396	256,235	274,439	261,999	424,954	4,02,000	Local Funds.
7,280	5,155	10,234	8,695	10,643	10,559	45,671	43,552	48,476	44,673	Federated States.
2,016	1,565	3,601	3,068	2,883	2,178	4,534	3,673	6,116	5,175	Dispen- sary.
267	217	3,581	3,285	1,007	857	974	695	537	523	Other Agencies.
58	46	11	9	123	95	15	13	34	32	Euro- peans.
1,342	463	9	9	888	791	281	207	426	419	Natives.
484,922	450,520	494,859	461,069	524,774	491,272	548,350	518,470	536,727	505,050	Total..

STATEMENT NO. V—*Showing particulars of Vaccination verified*

No.	Districts.	Total number of persons vaccinated.		Total number inspected			
				By Assistant Director of Public Health or Civil Surgeons,		By Inspectors of Vaccination or other Inspecting Officers.	
		Primary.	Re-vaccinations.	Primary.	Re-vaccinations.	Primary.	Re-vaccinations.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Akyab ...	21,949	4,857	141	8	11,939	4,158
2	Hill District of Arakan	1,132	671	81	177	173	135
3	Kyaukpyu	9,380	2,391	410	418	3,322	580
4	Sandoway	6,401	2,591	3,824	1,176	3,586	1,245
5	Rangoon	11,961	56,947	353	686	10,768	49,477
6	Insein ...	13,848	4,897	57	42	5,966	1,042
7	Hanthawaddy	18,090	7,318	330	159	12,155	2,632
8	Tharrawaddy	18,635	8,540	294	255	12,582	4,589
9	Pegu ...	17,156	6,647	1,450	215	14,751	3,404
10	Prome	14,670	1,675	1,374	...	7,803	592
11	Toungoo	11,945	5,274	...	...	6,350	2,462
12	Thayetmyo	9,216	4,369	...	...	5,178	3,102
13	Bassein	23,396	10,215	221	96	10,144	3,193
14	Henzada	29,110	1,137	2,125	...	13,211	96
15	Myaungmya	26,811	5,749	...	...	14,032	2,374
16	Ma-ubin	20,792	7,952	742	300	17,597	5,718
17	Pyapôn	18,574	4,573	1,293	89	15,452	2,233
18	Salween	3,403	1,253	292	106	...	...
19	Thatôn	14,076	12,094	307	27	7,722	2,671
20	Amherst	14,759	22,515	1,329	1,128	6,130	9,867
21	Tavoy ...	5,397	3,137	826	300	4,485	1,068
22	Mergui	5,070	472	800	...	2,571	190
23	Pakôkku	14,958	12,053	1,666	1,140	5,750	4,717
24	Pakôkku Hill Tracts	657	152	...	...	...	...
25	Katha ...	9,662	3,097	2,603	584	5,408	1,315
26	Shwebo	15,952	4,443	722	102	4,983	1,314
27	Sagaing	14,463	16,604	1,093	631	8,886	4,169
28	Lower Chindwin	11,561	5,507	749	613	4,984	2,209
29	Upper Chindwin	7,635	5,386	2,997	711	6,895	2,340
30	Chin Hills	4,758	179	3,765	163	...	...
31	Mandalay	17,577	14,346	1,144	255	12,332	3,504
32	Kyaukse	2,962	7,779	1,101	1,249	2,644	5,236
33	Meiktila	8,094	5,169	1,903	342	6,105	5,096
34	Yamethin	14,027	8,585	1,527	373	8,684	5,261
35	Myingyan	13,135	7,847	1,474	1,744	9,799	4,798
36	Magwe	13,696	5,061	431	336	5,612	1,310
37	Minbu	14,946	1,636	186	58	79	6
38	Putao ...	176	471	35	285	62	186
39	Myitkyina	3,162	701	1,655	370	1,497	329
40	Bhamo	3,870	3,640	451	288	834	2,914
41	Northern Shan States	25,086	741	2,184	562	63	13
42	Southern Shan States	24,119	842	1,743	10	15,428	236
	TOTAL	536,267	279,513	43,678	14,998	285,962	145,781

by Inspecting Officers during the year 1924-25 (Paragraph 12).

Percentage of inspections to total number vaccinated				Percentage of cases found successful of total number inspected				Percentage of success reported by vaccinators,		No.
By Assistant Director of Public Health or Civil Surgeons.		By Inspectors of Vaccination or other Inspecting Officers.		By Assistant Director of Public Health or Civil Surgeons.		By Inspectors of Vaccination or other Inspecting Officers.				
Primary.	Re-vaccinations.	Primary.	Re-vaccinations.	Primary.	Re-vaccinations.	Primary.	Re-vaccinations.	Pri- mary.	Re- vaccina- tions.	
(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
·64	·16	54·39	85·61	98·58	87·50	94·45	33·74	99·01	56·72	1
7·16	26·38	15·28	20·12	98·77	53·67	98·84	69·63	97·80	72·73	2
4·37	17·48	35·42	24·26	97·07	57·66	87·66	46·21	94·29	51·06	3
59·74	45·39	56·02	48·05	97·44	21·00	94·84	21·77	94·61	18·14	4
2·95	1·20	90·03	86·88	99·72	72·16	99·55	40·31	99·52	55·36	5
·41	·86	43·08	21·28	100·00	...	99·93	16·89	99·94	17·16	6
1·82	2·17	67·19	35·97	94·85	48·43	99·03	38·45	99·15	48·79	7
1·58	2·99	67·52	53·74	95·24	49·02	99·93	45·13	99·83	66·16	8
8·45	3·23	85·98	51·21	100·00	24·19	99·99	20·86	99·44	32·50	9
9·37	...	53·19	35·34	96·87	...	97·09	31·08	97·42	41·82	10
...	...	53·16	46·68	...	...	99·69	22·79	99·67	27·36	11
...	...	56·18	71·00	...	...	94·42	47·07	95·59	50·21	12
·94	·94	43·36	31·26	100·00	96·88	96·63	59·13	96·66	65·91	13
7·30	...	45·38	8·44	100·00	...	99·57	77·08	99·69	22·85	14
...	...	52·34	41·29	...	...	98·65	46·97	99·30	47·39	15
3·57	3·77	84·63	71·91	99·19	15·00	99·83	19·69	99·47	21·58	16
6·96	1·95	83·19	48·83	100·00	52·81	99·99	27·67	99·90	24·33	17
8·58	8·46	...	...	87·33	34·91	...	...	93·47	35·76	18
2·18	·22	54·86	22·09	99·02	77·77	97·31	40·17	98·02	35·51	19
9·00	5·01	41·53	43·82	97·22	28·19	94·63	81·85	98·52	25·33	20
15·30	9·56	83·10	34·05	97·70	70·00	97·26	54·78	97·66	66·89	21
15·78	...	50·71	40·25	84·75	...	76·16	26·84	81·46	38·14	22
11·14	9·46	38·44	39·14	98·08	38·07	95·46	14·90	94·35	13·91	23
...	...	...	...	...	...	...	...	95·28	76·97	24
26·94	18·86	55·97	42·46	98·16	38·53	98·15	39·16	97·79	41·57	25
4·53	2·30	31·24	29·57	99·03	45·10	94·34	60·43	95·10	63·76	26
7·56	3·80	61·44	25·11	97·35	58·95	98·36	60·49	98·16	69·66	27
6·48	11·13	43·11	40·11	95·99	71·45	94·14	80·94	98·65	83·03	28
39·25	13·20	90·31	43·45	93·19	69·06	92·62	58·76	94·72	71·45	29
79·13	91·06	...	...	98·99	95·71	...	...	96·67	50·00	30
6·51	1·78	70·16	24·42	99·74	58·82	98·99	52·05	98·88	46·49	31
37·17	16·06	89·26	67·31	99·64	83·35	99·47	72·17	98·19	71·67	32
23·51	6·62	75·43	98·59	99·79	88·01	95·99	35·97	99·19	53·77	33
10·89	4·34	61·91	61·28	91·36	70·51	94·60	26·12	96·88	52·17	34
11·22	22·23	74·60	61·14	96·00	64·74	95·97	37·41	97·52	48·12	35
3·15	6·64	40·98	25·88	78·65	18·45	94·64	38·47	98·24	41·89	36
1·24	3·55	·53	·37	85·48	68·97	96·20	66·67	95·35	52·16	37
19·89	60·51	35·23	39·49	100·00	34·39	95·16	10·22	96·91	24·84	38
52·34	52·78	47·34	46·93	99·46	92·43	98·00	100·00	98·95	38·17	39
11·65	7·91	21·55	80·05	97·12	71·88	98·44	85·59	96·05	83·50	40
8·71	75·84	·25	1·75	95·79	95·37	96·83	76·92	95·27	87·11	41
7·23	1·19	63·97	28·03	96·04	100·00	99·79	53·81	97·67	47·07	42
8·14	5·37	53·32	52·16	99·30	56·11	97·52	42·90	97·79	47·74	

APPENDIX A.—Statement showing the ratio per 10,000 successfully vaccinated and the mortality from Small-pox by quinquennial periods.

Official Year.		Ratio per 10,000 successfully vaccinated.	Quinquennial Mean.	Calendar Year.		Ratio per 10,000 of mortality from small-pox.	Quinquennial Mean.
(1)		(2)	(3)	(4)		(5)	(6)
1909-10	...	334·97	350·81	1909	...	1·18	4·20
1910-11	...	293·60		1910	...	2·13	
1911-12	...	369·58		1911	...	6·08	
1912-13	...	386·16		1912	...	8·08	
1913-14	...	367·34		1913	...	2·86	
1914-15	...	332·06	353·56	1914	...	·26	·50
1915-16	...	330·70		1915	...	·22	
1916-17	...	365·25		1916	...	·72	
1917-18	...	347·10		1917	...	·57	
1918-19	...	392·57		1918	...	·76	
1919-20	...	524·21	451·87	1919	...	3·99	2·32
1920-21	...	443·70		1920	...	2·90	
1921-22	...	408·22		1921	...	·92	
1922-23	...	431·94		1922	...	1·34	
1923-24	...	456·24		1923	...	2·63	
1924-25	...	466·23		1924	...	2·31	

APPENDIX B.—Statement showing the number of vaccinations performed in Municipal Towns and Notified Areas (to which Vaccination Act has been extended) on children under one year of age (Paragraph 7).

Towns.		Number of births during the year 1924-25.	Number of deaths among children under one year during the year.	Number of successful operations on children under one year during the year ending 31st March 1925.	Date of extension of Vaccination Act of 1880 into towns.	Date of extension of Vaccination Law Amendment Act of 1909.
(1)		(2)	(3)	(4)	(5)	(6)
Akyab	...	550	25	385	August 1883	29th March 1910.
Kyaukpyu	...	106	21	80	April 1894	Do.
Sadoway	...	98	14	42	September 1890	Do.
Rangoon	...	6,456	2,272	7,664	April 1884	1st May 1909.
Insein	...	206	13	343	14th March 1912	14th March 1912.
Syriam	...	282	59	122	29th January 1913	29th January 1913.
Thongwa	...	321	63	210	3rd March 1914	3rd March 1914.
Tharrawaddy	...	97	13	118	October 1897	...
Thonzè	...	195	29	153	October 1897	29th March 1910.
Zigôn	...	95	15	299	11th May 1914	9th Sept. 1915.
Letpadan	...	141	49	108	January 1897	29th March 1910.
Gyobingauk	...	178	57	138	February 1897	Do.
Minhla	...	68	20	62	11th May 1914	9th Sept. 1915.
Nattalin	...	91	23	132	11th May 1914	Do.
Pegu	...	593	137	571	March 1893	29th March 1910.
Nyaunglèbin	...	182	80	349	29th March 1910	Do.
Prome	...	589	61	472	June 1890	Do.
Shwedaung	...	199	59	186	10th Sept. 1917.	
Paungdè	...	311	89	157	August 1890	29th March 1910.
Toungoo	...	467	82	329	May 1889	Do.
Shwegyin	...	158	37	149	January 1890	Do.
Pyu	...	141	48	78	January 1920	17th January 1920.
Thayetmyo	...	174	61	163	May 1889	29th March 1910.
Allanmyo	...	245	64	370	May 1901	Do.
Bassein	...	1,171	342	885	September 1888	Do.
Ngathainggyaung	...	158	34	104	February 1890	Do.
Kyônpyaw	...	137	27	25	26th Dec. 1923.	
Henzada	...	726	206	397	January 1889	Do.
Myanaung	...	150	33	126	July 1889	Do.
Kyangin	...	198	35	94	August 1894	Do.
Myaungmya	...	165	46	248	June 1894	Do.
Wakèma	...	285	73	105	27th April 1907	Do.

N.B.—Column 4 includes figures of Statements I and III.

APPENDIX B.—Statement showing the number of vaccinations performed in Municipal Towns and Notified Areas (to which Vaccination Act has been extended) on children under one year of age (Paragraph 7)—concl'd.

Towns.	Number of births during the year 1924-25.	Number of deaths among children under one year during the year.	Number of successful operations on children under one year during the year ending 31st March 1925.	Date of extension of Vaccination Act of 1880 into towns.	Date of extension of Vaccination Law Amendment Act of 1909.
(1)	(2)	(3)	(4)	(5)	(6)
Ma-ubin ...	209	48	165	October 1891 ...	29th March 1910.
Yandoon ...	218	28	253	January 1892 ...	Do.
Danubyu ...	179	30	140	9th July 1909.	
Pyapôn ...	196	16	249	November 1904	Do.
Kyaiklat ...	183	46	100	15th Dec. 1904 ...	Do.
Thatôn ...	498	93	400	October 1891 ...	Do.
Kyaikto ...	204	32	169	March 1897 ...	Do.
Moulmein ...	1,561	339	1,475	August 1885 ...	Do.
Kawkareik ...	267	80	107	September 1914	17th Sept. 1914.
Tavoy ...	798	161	814	December 1889	29th March 1910.
Mergui ...	528	157	246	October 1891 ...	Do.
Pakôkku ...	522	174	447	April 1892 ...	Do.
Shwebo ...	333	164	180	June 1894 ...	Do.
Sagaing ...	415	123	334	April 1894 ...	Do.
Mônýwa ...	309	104	219	March 1893 ...	Do.
Mandalay ...	7,421	2,277	6,002	August 1891 ...	Do.
Maymyo ...	562	140	298	October 1912 ...	22nd October 1912.
Kyauksè ...	228	74	215	May 1894 ...	29th March 1910.
Meiktila ...	274	139	196	June 1906 ...	31st July 1922.
Yamèthin ...	268	91	220	February 1892 ...	29th March 1910.
Pyinmana ...	305	153	480	November 1891...	Do.
Pyawbwè ...	119	46	172	May 1912 ...	
Myingyan ...	552	258	262	September 1891	29th March 1910.
Nyaung-u ...	197	27	184	30th August 1921	30th August 1921
Magwe ...	202	72	150	10th March 1913	10th March 1913.
Taungdwingyi ...	247	84	92	February 1893 ...	29th March 1910.
Yenangyaung ...	391	85	271	10th March 1913	10th March 1913.
Minbu ...	194	50	58	March 1896 ...	29th March 1910.
Salin ...	219	67	143	March 1896 ...	Do.
Bhamo ...	189	15	165	26th October 1894	Do.
Total ...	32,721	9,360	28,870		

N.B.—Column 4 includes figures of Statements I and III.

APPENDIX C.

Diagram showing the Proportion of Population protected during the seven official years from 1918-19 to 1924-25 and the Death-rate from Small-pox during the year 1924 in districts where full registration is in force.

